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Dear Interested Party:

The Forest Service is currently seeking public comments for the Spring Creek Project Environmental Impact Statement (EIS) on the Marienville Ranger District of the Allegheny National Forest (Allegheny NF). A Notice of Intent to prepare an EIS will be published in the Federal Register on April 19, 2002; the comment period will be for 30 days from the date the Notice appears in the Federal Register (May 20, 2002). The information in this letter is provided to help you understand the history of the project area, the present condition, and the objectives for management.

We ask you to review the proposed activities and to let us know if you have any comments or suggestions concerning this management. At the end of this letter you will find a comment form that you can use to send us your comments on the Spring Creek project.

Project Location

The Spring Creek Project (Attachment 1 - vicinity) is located on the Marienville Ranger District of the Allegheny National Forest in Northwestern Pennsylvania. The project is located in portions of Highland, Spring Creek, and Millstone Townships in Elk County and portions of Howe and Jenks Townships in Forest County. The area within the project boundary is approximately 56,093 acres and includes the entire Spring Creek Watershed. Of this amount, approximately 39,685 acres (71%) are National Forest System lands and will be considered for management. The remaining 16,408 acres (29%) are private or state land, which is not included in management proposals. State Game Lands 28 make up 9,848 acres (18%) of the project area.

The Spring Creek Project Area is generally located in the southeast quadrant of the Allegheny NF and drains directly into the Clarion River. The project boundary follows the Spring Creek watershed boundary as defined by Natural Resource Conservation Service. The boundary is located near Forest Roads 136, 343, and Township Road 313 in the east. Along the northern border, State Routes (SR) 948 and 66 and Township Road 370 occur near the watershed boundary. The western and southern borders cannot be described in relation to man-made features and the boundary traverses plateau tops on its way to the Clarion River.

Site Description and Management History

Approximately 79 percent of the National Forest System lands consist of mature forest conditions in the watershed. During the last 10 years, the project area has been actively managed through timber harvest and wildlife habitat improvement work. Objectives are: provide a diversity of forested age classes and wildlife habitat conditions; restore understory conditions, and maintain a healthy, productive forest which can also provide a sustained yield of wood products to meet economic and social needs. Roughly 2,399 acres (6%) of early age classes were created through timber harvesting and reforestation treatments between 1990 and the present. A wide variety of wildlife management activities has occurred throughout the watershed, including planting trees and shrubs, releasing mast producing trees and shrubs, creating snags and structure, and aspen regeneration. Activities approved in previous

environmental analysis exist in the project area and will be implemented over the next several years. These activities will be included in the cumulative effects analysis.

Dispersed recreation is one of the many uses in the watershed and includes camping, hunting, hiking, fishing, horseback riding, and driving for pleasure. Motorized recreation exists in the watershed in the form of a designated ATV trail system and snowmobile routes. Illegal ATV and snowmobile use are also occurring in the project area.

The entire project area contains approximately 45 miles of State and Township roads, 212 miles of OGM or privately owned roads, and 109 miles of Forest Service System roads.

Oil and gas (OGM) development has occurred throughout the project area. The project area contains the Sackett Oil Field, where the most intensive development has occurred. Our records show that there are over 1350 active, inactive, or plugged wells within the project area. Approximately 80 percent of the wells are on National Forest system lands. All of the subsurface oil and gas rights within the project area are privately owned and the mineral owners have the right to access National Forest system lands to develop their mineral estates. The Forest works with the oil and gas operators to minimize the disturbance of National Forest system lands during development and extraction of their minerals. Most of the project area has seen very little new development in the past decade. The most active new drilling and development have occurred in and around the Sackett Oil Field. Development of 10-20 wells per year is expected to continue into the future. OGM access roads are constructed in conjunction with new developments. Maintenance-type OGM activities are occurring in the rest of the project area.

Background

In preparation for this analysis two new kinds of background analyses are being conducted by Allegheny National Forest personnel, which are designed to give resource professionals an increased understanding of the environment and the ecological and social processes that occur at the watershed level. These include an Ecosystem Analysis at the Watershed Scale (EAWS) and a Roads Analysis Process (RAP). The RAP analyzed the existing road system and its effects to the environment. Both of these were undertaken in the Spring Creek watershed within the last year and provide professional resource specialists with additional information, public input, and suggested management recommendations and opportunities that can be carried forward into the proposed action for the Spring Creek Project EIS.

Purpose of the Proposal

The purpose of the Spring Creek project is to implement Forest Plan direction while addressing site-specific needs and opportunities at the watershed level. The Allegheny National Forest Land and Resource Management Plan (Forest Plan) provides programmatic direction for how this Forest is to be managed for these sustainable, multiple benefits. The project area lies within portions of Management Areas (MA) 1.0 (582 ac.), 3.0 (34748 ac.), 6.1 (4274 ac.), and 6.3 (72 ac.). See Attachment 1. The goals and objectives for these MAs can be found in the Forest Plan on pages 4-60 through 4-69 for MA 1.0, 4-82 through 4-96 for MA 3.0, 4-110 through 4-124 for MA 6.1, and 4-138 through 4-148 for MA 6.3.

Through Congressional mandate, National Forest System lands are managed to provide multiple benefits to all Americans in a sustainable way for future generations. The original management emphasis (Organic Act, 1897) was to provide for watershed protection and a continuous supply of wood products. Over the years, other emphasis areas such as habitat for wildlife and fish, outdoor recreation, wilderness, heritage resources, grazing, wild and scenic rivers, and road management, among others, were added to the Forest Service management mandate.

Need for the Proposal

An Interdisciplinary (ID) Team of wildlife biologists, foresters, engineers, a landscape architect, a recreation planner, and archaeologist has been surveying and evaluating the Spring Creek Project Area for the past two years. The team recognized early in the analysis that many management efforts started in this area during the last decade needed to be continued. The ID Team identified site-specific opportunities for natural resource management that could change or enhance present conditions to move the area toward the Desired Conditions described in the Forest Plan. An opportunity to enhance a resource is defined as a "need".

The following list describes specific "needs for action" to meet the purpose of implementing Forest Plan direction. Proposed actions to meet these needs are addressed in the next section.

1. The Spring Creek Watershed is classified as a High Quality Cold Water Fishery (HQ-CWF) by the Pennsylvania Department of Environmental Protection (PA DEP). There is need to continue to protect the soil and water conditions in the watershed to maintain and improve water quality and aquatic habitat. Efforts to improve soil and water quality in the watershed are evident in silvicultural, recreation, wildlife, and transportation proposals listed in Table 1 and the accompanying text.
2. There is a need to modify the distribution of native vegetation to improve plant diversity. The diversity of shrubs, herbaceous plants, and tree seedlings has been reduced. Many areas are now dominated by fern, grass, beech root sprouts and striped maple, which limit or interfere with the establishment of many other native plants. Experience on the Allegheny NF has shown: 1) by creating the desired light levels to promote understory development; 2) by reducing interfering vegetation through reforestation treatments (herbicide application, and site preparation); and 3) by providing enough forage to reduce over-browsing by deer, so that a diversity of tree seedlings and shrubs can be established and understory diversity improved.
3. There is a need to complete regeneration sequences and reforestation treatments in stands approaching maturity and/or stands that are now decadent in order to foster sustainable forest management in MA 3.0. Prior treatments have been made in the past 5-10 years to encourage growth of stands for subsequent regeneration. There is a need to follow up on these past treatments with activities to regenerate these stands in the Spring Creek project area. Treatments also need to be made at this time to expedite regeneration of hardwood stands with declining or sparse over stories. Investments need to be made which create full sunlight conditions on the forest floor to regenerate shade-intolerant species that comprise the Upland and Allegheny hardwood types.

4. There is a need to initiate regeneration treatments in order to achieve the age-class distribution and harvest levels described for MA 3.0 (Forest Plan, p. 4-84). Seventy-nine percent of the Spring Creek Project Area consists of stands greater than 51 years old in MA 3.0. Opportunities exist, through timber harvests, release cuts and reforestation treatments to improve stand and project area structure and diversity. Management activities include regeneration treatments such as shelterwood seed/removal cut sequences, overstory removal harvests, and two-aged harvest (adaptive management); intermediate treatments such as thinning/improvement cuts and salvage thinnings in declining stands; release cuts (pre-commercial thinning) in young stands and reforestation treatments (see #2 above) (Forest Plan 1986, Appendix D, pages D-13 through D-22). Some inclusions within MA 3.0 will be managed using uneven-aged adaptive management techniques based on vegetation composition (predominance of shade tolerant species) and visual concerns. Management activities included here include both single tree and group selection treatments.
5. Defoliation from past insect and disease, drought conditions, and subsequent decline and/or mortality in forested stands has occurred in portions of the northern 1/3 of the watershed. There is a need to initiate silvicultural treatments to salvage trees and initiate reforestation efforts. Silvicultural treatments proposed include salvage thins, salvage overstory removals, salvage two-age, and salvage shelterwood seed/removal sequences, and accompanying reforestation treatments in order to economically salvage trees and establish diverse seedling regeneration. Isolated wind thrown trees exist throughout the watershed. Opportunities exist to initiate timely salvage of damaged and downed timber in certain areas.
6. There is a need to provide timber to meet people's demand for products such as furniture, paper, fiber, and construction materials. The Allegheny Forest Plan allocates land for the sustainable production of timber (MA 3.0). Demand for hardwood and other timber products continue to be high, which supports the need to supply this renewable resource. Projects such as Spring Creek provide a means to satisfy demand for timber and to contribute to the economic vitality of local communities.
7. A portion of MA 6.1 (4274 ac.) lies within the watershed. One of the primary purposes in MA 6.1 is to emphasize mature or over-mature forest, with emphasis on wildlife species dependent on those systems. Both wildlife and silvicultural activities in MA 6.1 will be proposed providing progress towards continuous canopy of mature forest and wildlife habitat improvement. Several stands within this area are red pine plantations. Generally, this plantations lack age class structure, vegetative diversity, and understory development. Opportunities exist to improve these plantations through silvicultural techniques such as thinning.
8. A portion of MA 1.0 (582 ac.) lies within the watershed. One of the primary purposes for this MA is to emphasize habitat management for ruffed grouse and other wildlife species associated with and dependent on early successional stages of forest habitat. There is a need to provide this habitat and both silvicultural and wildlife management treatments are proposed to move the present condition towards the desired condition in the Forest Plan for this MA.

9. A portion of MA 6.3 (72 ac.) lies within the watershed. The primary purpose of this management area is to provide managed habitat for waterfowl, grouse, woodcock and other wildlife species that require a diversity of riparian and upland habitats. In addition, management guides call for a providing a variety of dispersed recreation activities. Opportunities for wildlife habitat improvement in this area will be addressed.
10. There is a need to improve aquatic and riparian habitats within the Spring Creek watershed. Many in-stream and streamside structural and vegetative components have been degraded. Large trees that once shaded or fell into to stream corridors providing temperature regulation, aquatic structural components, and nutrient replenishment are missing from the system. Opportunities exist to replace in-stream structural components, native vegetative conditions, and rehabilitate areas with soil erosion problems.
11. There is a need to improve terrestrial habitats within the Spring Creek watershed. Historic uses and present demands of the watershed have resulted in conditions that lack structural and foraging potential. There is an opportunity to improve the distribution of conifer. Conifer can provide feeding, nesting and winter shelter opportunities for many wildlife species. However conifer is primarily restricted to stream bottoms and side slopes within the project area. There is an opportunity to improve the distribution of conifer on the plateau to provide habitat for species that prefer a mixed hardwood/conifer community. There is an opportunity to diversify foraging opportunities. Native forage sources such as grasses, shrubs, and mast producing trees have diminished in the watershed resulting from historic uses and management of the project area. In some areas, there is an opportunity to replenish structural components such as snags, coarse woody debris, understories, and native warm season grasses that provide essential cover for many wildlife species. There is an opportunity to maintain and diversify structural landscape components to meet forest plan objectives including mature, over mature, and regenerating forest types as a well as a permanent openings.
12. There is a need to meet public and internal demands for wildlife program management. There is an opportunity to improve hunter access and parking areas. There is an opportunity to improve parking and directional signing at popular wildlife viewing areas. There is an opportunity to maintain current improvements and infrastructure, and past investments in wildlife habitat, including water control devices, nest box structures, plantings, fencing, and signing.
13. There is a need to provide an adequate transportation system for both short and long-term access to facilitate the management of the National Forest System lands within the project area. A variety of options including road construction, road reconstruction, and road realignment are proposed. Investments are needed to maintain the existing Forest Road system at the approved standard in order to maintain healthy, resilient watersheds. Deferred maintenance on several road segments, improperly located roads, or roads no longer needed can have adverse impacts on watersheds. There is also a need to identify and address unneeded or unnecessary roads (FP 4-69, 4-95, 4-124, and 4-148). Many of these roads were identified through the Spring Creek RAP process. Opportunities exist to eliminate or manage unneeded roads through a variety of methods. Management proposals will reduce road densities, minimize adverse environmental impacts and help restore ecological processes. The density of existing Forest Service roads in the project

area is within the allowable road densities established in the Forest Plan for the MAs within the watershed. There is a need to protect soil and water resources as outlined in the 1997 Fisheries Amendment to the Forest Plan (FP 4-23, 4-26 through 4-28) for road segments that are affecting water quality in riparian areas. Proposals exist to improve road segments within 300 feet of riparian areas on existing or planned road segments through a variety of mitigating structures. There is a need to pursue Rights of Way (ROWs) through private ownership for certain road segments to aid in relocating or realigning road segments that exist too close or are in direct proximity to streams as outlined in the Fisheries Amendment to the Forest Plan (FP 4-26 through 4-28).

14. There is a need to evaluate illegal ATV and snowmobile use and identify strategies to curtail these uses. The demand for Off Highway Vehicle (OHV) trails is high and efforts to educate trail users on riding and land use ethics has not kept pace with the growing number of riders. As a result, OHV use off legal routes has grown in recent years. Opportunities exist for more education and law enforcement efforts to curb these activities. Methods such as barricades and other closure devices will be explored on illegal routes.
15. There is a need to enhance the visual quality along State Route 66. Along the road, the forest edge forms a straight line that creates a view that could be described as ordinary and monotonous. There are opportunities in selected forested stands to create a scalloped forest edge by removing some hardwood trees to emphasize hemlock trees and trees with attractive color and form.
16. There is a need to provide an equestrian trail system within the Spring Creek Watershed. There are no designated equestrian trails on the Allegheny National Forest, but riders are permitted to ride cross-country. This has resulted in a user-created trail system of about 70 miles in the Duhring area. These corridors are not laid out with good design principles, so there are resource impacts on steep slopes, poorly drained soils, and at stream crossings. This area has the second highest amount of horse use on the ANF. The use dates back to 1959 when the first Allegheny Trail Ride was held. Opportunities exist to construct and designate an equestrian trail system (including trailheads), which will meet public demand, and protect water and soil resources.
17. There is a need to provide additional dispersed campsites and rehabilitate existing sites within the Spring Creek Watershed. Some campsites are located near streams within riparian corridors and require additional surfacing or erosion control work. In order to address the high demand for campsites, new dispersed campsites will be built.
18. There is a need to provide more campsites near the designated ATV trails. There are few opportunities to camp near the trail other than at trailheads. On most summer weekends, these sites are filled beyond capacity. Opportunity exists to construct a low development campground near ATV trailhead on Forest Road 401.
19. There is a need to identify, evaluate, and protect historic and prehistoric sites as necessary, for the benefit of future generations. Heritage resources hold clues to past ecological environments. They may also help link living humans to their ancestral past, enhancing traditional cultural experiences. Understanding past settlement patterns would contribute to an understanding of past ecosystems and current ecosystem status. The project area

includes abandoned railroad grades, historic lumber towns and oil fields, and prehistoric sites.

Proposed Actions to Meet Purpose and Need

The proposed actions to meet the purpose and need of this project are listed in the following Table and discussion. Vegetative, wildlife habitat, recreation, watershed, and road improvement activities are also mapped on Attachments 2 & 3. The shape, size and location of these proposed activities on the map and in the Table 1 are approximate.

Table 1. Proposed Treatments and Activities		
Treatment	Acres	Units
Regeneration and Intermediate Treatments – MA 1.0		
Shelterwood Seedcut/ Shelterwood Removal Sequence	44	acres
Regeneration and Intermediate Treatments - MA 3.0		
Shelterwood Seedcut/ Shelterwood Removal Sequence	1319	acres
Overstory Removal	263	acres
Two-Age Harvest	54	acres
Thinning/Improvement Cuts	1700	acres
Single Tree/Group Selection	151	acres
Release Cuts	854	acres
Salvage Regeneration and Intermediate Treatments - MA 3.0		
Salvage Shelterwood/ Shelterwood Removal Sequence	232	acres
Salvage Overstory Removal	60	acres
Salvage Two-Age	31	acres
Salvage Thinning	522	acres
Salvage Windthrow	474*	acres
Regeneration and Intermediate Treatments – MA 6.1		
Two-Age Harvest	40	acres
Strip Regeneration Harvest	48	acres
Thinning	92	acres
Reforestation Treatments Totals for all MAs		
Herbicide	1994	acres
Site Prep (Mech./Manual)	1751	acres
Fertilization	151	acres
Planting	398	acres
Fencing	1605	acres
Wildlife Habitat Improvement Activities		
Restore / Improve Aquatic Habitat		
Re-establish Streamside Vegetation	71	acres
Place Coarse Woody Debris	8	miles
Rehab Erosion	6	sites
Plant Shrubs/Conifer	32	acres
Plant/Control Aquatic Vegetation	24	acres
Place Aquatic Habitat Structure	36	structures

Restore / Improve Terrestrial Habitat Vegetation		
Plant Native Shrubs	478	acres
Plant Aspen	19	acres
Release/Prune/Maintain/Replace Apple Trees	147	acres
Re-establish/Plant Hardwood Diversity	33	acres
Prescribe Burn	25	acres
Re-establish/Plant Conifer (White Pine/Red Spruce)	713	acres
Re-establish Native Herbaceous Vegetation/Openings/Warm Season Grasses	144	acres
Restore / Improve Terrestrial Habitat Structure		
Regenerate Aspen	16	acres
Release Suppressed Aspen	8	acres
Create Snags	711	acres
Place Nest Structures	92	structures
Create Coarse Woody Debris	227	acres
Wildlife Management Improvements		
Provide Access/Improve Parking at Wildlife Viewing Areas	4	sites
Replace Impoundment Water Control Structure	3	sites
Recreation Activities		
Construct & Designate Equestrian Trail	40	miles
Enhance Scenic Quality	50	acres
Disperse Camping		
Construct Disperse Campsites	9	sites
Rehabilitate Disperse Campsites	11	sites
Construct ATV Campgrounds	1	site
Transportation Activities **		
New Road Construction	8.7	miles
Total Reconstruction		
Improvement	10.1	miles
Realignment***	0.8	miles
Road Maintenance	69.0	miles
Add Existing Road to Forest Service System	10.1	miles
Obtain Right-of-way access on Existing Private Road	0.7	miles
Decommission of Existing Roads	10.8	miles
Potential for Decommission and/or Mitigation	11.7	miles
Limestone Surfacing and Other Watershed Mitigations	16.6	miles
Install Gates	9	# of gates
Pit Expansion Areas	9	acres
Pit Development	1	acre
Connected Road Actions Outside of the Watershed Boundary (see below)		
Road Maintenance	12.6	miles
Limestone Surfacing and Other Watershed Mitigations	1.8	miles

*Represents whole stand acres. Windthrow trees within stands will be considered for harvest.

**See Transportation Activities discussion below for definitions of road activities

*** Realignment miles included in total improvement miles

Vegetative Treatments

Past land uses and 70 years of browsing by high deer populations have greatly altered plant diversity and structural conditions from that which would occur naturally. As a result, interfering vegetation such as fern, grass, beech root sprouts, and striped maple dominate understory conditions in both forested and non-forested communities across the project area. The proposed action includes a combination of timber harvest, reforestation activities (e.g., herbicide application, fencing, planting), and wildlife habitat improvement work (e.g., planting, seeding) designed to establish tree seedlings and improve a balance of native understory conditions. These activities would occur over the next decade.

Regeneration Harvests

Even-aged regeneration activities would harvest stands, through one or two entries, and would initiate the growth of a new forest by creating necessary sunlight conditions on the forest floor. This would be accomplished through shelterwood/removal cut sequences, removal cuts, and two-age harvests in both healthy and declining (salvage) stands. To ensure the establishment of tree seedlings, reforestation activities such as fertilization, manual and mechanical site preparation for natural regeneration, herbicide application, fencing, and planting could occur on these sites. None of these forested stands would exceed 40 acres in size. Even-aged management prescriptions, in this project, would create 2091 acres (5 % of the project area) in the 0-10 age class over the next decade.

The ID team identified opportunities to provide uneven-aged stands by implementing adaptive management strategies. Both single tree selection and group selection (151 acres total), uneven-aged adaptive management techniques, are proposed on certain stands that are silviculturally feasible to be managed for shade tolerant species and visual quality. Reforestation activities, as stated above, could occur on these sites.

Intermediate Harvests

Thinnings are proposed in stands of commercial size to reduce the competition for light and nutrients and thereby improve the health and vigor of residual trees. Commercial thinning is proposed on 1792 acres. Salvage thinnings (522 acres) are designed to remove individual trees that are dead or dying within certain stands. Individual windthrown trees may be harvested in certain areas across the watershed where it is environmentally and economically feasible.

Sustainable Forest Management

The Interdisciplinary Team (ID) team identified opportunities to provide a sustained yield of timber products through a combination of regeneration (shelterwood, overstory removal cuts and two-age treatments) and intermediate (thinnings/improvement cuts, salvage, single tree and group selection) timber harvest treatments. Under the proposed action, a total of 2091 acres of regeneration cutting and 2465 acres of intermediate cutting would be completed during the next 2-10 years. This would result in an estimated 17 million board feet (MMBF) during the first entry and 9 MMBF in the second entry, which would take place before the end of the decade. The team identified 854 acres of release cuts (pre-commercial thinning) in young forested stands to maintain or increase diversity, and increase growth and chances of survival.

Wildlife Habitat Improvement Activities

Based on field surveys, historic records, and analysis of the watershed, the interdisciplinary team identified opportunities to restore aquatic and terrestrial habitat components that have been diminished or changed due to historic management. In addition, the team identified opportunities to provide wildlife habitat and improvements to meet public demand for consumptive and non-consumptive wildlife experiences.

Stream corridor surveys have identified 71 acres that are lacking streamside vegetation due to current recreational use and resource extraction practices of the late 1800's and early 1900's. Use of "splash dams" was common during this period which released water and harvested trees down a stream corridor removing riparian vegetation. In these areas, cuttings and plugs of adjacent native vegetation such as willow and alder will be used to re-vegetate banks. When local vegetation is not available, native shrubs will be planted such as winterberry and high bush cranberry. The team has also identified 8 miles of streams that may be lacking within stream logs and structure in order to provide habitat for fish. In these areas, logs or other structures will be placed in the streams in order to meet forest plan direction. Six areas have been identified having soil erosion problems caused by heavy traditional use by fishing and camping access. These areas lack riparian vegetation and are proposed to be re-vegetated and to have permanent stairs placed to access streamsides. Finally, 32 acres have been identified that lack shrubs, conifer, or over-hanging vegetation that shades and protects riparian corridors. These areas are proposed for planting with native conifer and shrub species in order to improve stream thermal regulation, nutrient deposition, and cover.

Three impoundments managed for waterfowl have been identified for management and habitat improvements. The water control structures of these impoundments need to be replaced due to age, damage, or malfunction. In addition, there is an opportunity to diversify aquatic vegetation within the ponds through weed removal and planting of aquatic native vegetation. Finally, all three of these ponds have opportunities to place nesting structures for waterfowl, fish, and turtles in order to increase cover capacity.

Habitat surveys, compartment records, and analysis of the watershed have identified opportunities to increase and diversify vegetative components in order to benefit wildlife. Consequences of historic management have resulted in vegetative simplification through historic timber management and resulting deer populations. The ID team has identified 478 acres that would benefit from planting native shrubs in order to diversify or compliment existing conditions. This will benefit forage and cover opportunities for a wide variety of birds, mammals, and amphibians. In additions, they identified 33 acres that would benefit from increasing hardwood diversity in savannahs, openings, and non-commercial stands. Species such as butternut, hickory, and oaks would be emphasized. Conifer has been identified as lacking in 713 acres. Conifer plays a critical role in providing winter cover and structural diversity for many wildlife species. Field biologists have identified 147 acres of apple trees in areas such as old homesteads and historic railroad grades that require maintenance through pruning, release, or replacement. A savannah (25 acres) in Buzzard Swamp has been identified that would benefit from prescribed burning in order to stimulate and invigorate native warm season grasses. In addition, the team has identified 143 acres of openings, pit rehabilitation areas, and potential openings that would benefit from maintenance or planting of native

herbaceous species such as warm season grass. Warm season grasses provide superior cover for ground nesting songbirds, are host plants to several butterflies, and seed sources for wildlife through winter.

Habitat surveys, compartment records, and analysis of the watershed have identified opportunities to increase and diversify structural habitat components in order to benefit wildlife. Historic management has resulted in many stands of uniform age, such as red pine plantations, that lack standing dead trees, fallen dead trees, or understory development. The ID team has identified 711 acres of stands that could potentially benefit wildlife species such as woodpeckers and bats by increasing snag densities. In addition, 228 acres have been identified through field surveys to be lacking coarse woody debris (dead fallen trees). Coarse woody debris is important amphibian, mammal, and insect habitat. Forty-eight acres of red pine plantation have been identified for strip regeneration harvests that would create stand structure benefiting wildlife by increasing nesting opportunities, cover and foraging habitat. Red pine thinning is also prescribed for similar benefits. The team has identified 24 acres of aspen that would benefit early successional species such as grouse and woodcock if it were regenerated. An additional 19 acres has been identified for aspen planting in order to establish additional early successional habitat. Finally, areas have been identified to place nesting boxes to increase structural cover capacity for bats and songbirds

The ID team has identified opportunities to meet consumptive and non-consumptive public needs for wildlife management. Four sites near waterfowl impoundments in the Owls Nest area would benefit from improved access by construction/reconstruction of small 2-4 vehicle parking areas and directional signing.

Recreation

The ID Team identified several opportunities to enhance recreation opportunities within the Spring Creek Watershed. In order to address dispersed camping demands, the team proposes to construct nine new campsites. For each campsite, this will entail constructing a small (2-3 car) parking area and erecting barriers to keep vehicles on hardened surfaces. This work will occur primarily on Forest Roads (FR) 124, 227, and 403. An additional 11 campsites will be rehabilitated in the watershed. This may entail adding additional stone to the parking area or expanding the existing parking area, erecting barriers to keep the vehicle on hardened surfaces, or stabilizing stream banks with vegetation or physical structures. This work will be concentrated on FR 124, 130, 131, 227, and 403.

The construction of an ATV campground will occur near the trailhead on FR 401. This work will entail constructing a 2500 x 30 foot loop road where ATV users can camp and access the ATV trail system. Campers will simply pull to the side of the road to establish their campsite. The outside of the loop will be graded and grassed to provide places for camping activities. Two or three vault toilets will be built at the campground. Charging a small fee for using the campground will be considered.

The ID team identified approximately 40 miles of equestrian trail construction and two areas for trailhead locations. The trail system connects the CCC Camp, Kelly Pines and the villages of Duhring and Parrish to many scenic attractions in the area. Portions of the system will follow

existing roads and user-created horse trails. The new trail will avoid poorly drained soils and will keep grades below 15%. Culverts will be used at small stream and seep crossings, and hardened fords will be constructed at larger stream crossings. Efforts will be made to secure permission to cross private and state game lands with designated trails. Trails will be marked, signed, and maps will be made available. Two trailheads, each capable of accommodating 20 vehicles with trailers, and incorporating a vault restroom and loading ramps for persons with disabilities, will be built along FR 403 and 404. Charging a small fee for the trails will be considered. Other allowable trail uses, such as mountain bikes and hikers, will also be analyzed and considered.

Reducing illegal OHV use in the watershed will be addressed by employing education and law enforcement strategies. Unauthorized trails will be barricaded and signed closed to discourage motorized use.

Several forested stands will be treated to enhance the landscape along State Route 66. Within 200 feet of the highway, selected hardwood trees will be removed to emphasize the natural occurring hemlock. Portions of the following stands will be treated for scenic enhancement purposes: compartment 702, stand 4; and compartment 703, stands 6, 16, 20, 27, 28, & 39.

Watershed Improvement

This analysis will serve as a base line to monitor future changes on the landscape in this watershed. All proposed activities would maintain the integrity of perennial and intermittent streams, as well as provide for the protection and enhancement of riparian dependent resources. The proposed actions in all resource areas include standards and guidelines located within the Forest Plan that provide protection for both soil and water resources.

As part of the recreation proposals, many areas will receive soil and water rehabilitation efforts in order to correct existing erosion problems and prevent reoccurring problems. Location of trails, campsite rehabilitation and construction, and curbing illegal OHV use will have long-term benefits to preserve the integrity of the Spring Creek Watershed. Transportation proposals seek to correct existing watershed problems by eliminating unnecessary roads, improved design standards, which include surfacing with limestone on certain road sections within 300 feet of riparian corridors, eliminating or mitigating stream fords on non-system roads, and maintaining the existing roads to the highest standard possible. Wildlife proposals for restoring native streamside vegetation, placing boulders and coarse woody debris in stream channels, and building stairs in high use areas will reduce soil erosion that affects water quality, and restore portions of the watershed to historic conditions.

Transportation Activities

A Road Analysis Process (RAP) was undertaken for the watershed. Many findings, opportunities and recommendations from that analysis process will be proposed within the transportation needs in this EIS.

New road construction is proposed on approximately 8.7 miles within the project area. Road construction is proposed for both short and long term management of National Forest system lands. Approximately 20% of the miles proposed are on existing corridors that may include old

ogm /jeep trails, skid trails, old temporary roads, or other unclassified roads. Other proposals are used for watershed protection and to reduce environmental resource conflicts. Sections of both Forest Roads (FR) 124F and FR 184A will be decommissioned to protect water quality and new road construction segments will be proposed to provide access to the general area and minimize the potential for watershed impacts.

Road reconstruction is defined as an activity that results in improvement or realignment of a road. These investments in construction activity raise the traffic service level of a road or improve its safety or operating efficiency. Realignment results in a new location of an existing road or portions of existing road and treatment of the old roadway. Activities are proposed to minimize sediment runoff and provide safe driving conditions.

There is approximately 69.0 miles of road maintenance proposed in the watershed. Maintenance can be defined as the ongoing upkeep of a road necessary to retain or restore to the approved road management objective. It may include a variety of road activities such as roadside brushing, surfacing, culvert replacement, as well as the installation of mitigation structures like sediment basins, and surface and ditch armoring. These activities will reduce sediment, maintain or improve water quality, and provide safe driving conditions for the forest user.

At least six OGM roads will be added to the Forest Service Road System through reconstruction activities. Approximately 9 gates will be installed, mainly on new construction spurs or on OGM roads added to the Forest Service Road system.

Efforts to investigate and obtain ROW access through private lands will occur in two areas (0.7 miles). These ROWS will aid in access for management of Forest Service lands and protect the Lappin Run riparian area in the southern portion of the watershed.

Limestone surfacing and other watershed mitigations (surfacing, sediment basins, and lead off ditches) would be used on approximately 16.6 miles of roads. This total miles of limestone surfacing includes all phases of construction activities. These activities will be accomplished to meet fisheries guidelines. This would include many road sections within 300 feet of riparian areas and where roads cross-streams to meet fisheries guidelines in the Forest Plan. Some of the target road segments include significant portions of FR 124, 775, 130, 403, 131, 136, 343, and 227. In addition, other smaller segments of roads within riparian influence zones will also receive limestone and other mitigations

Roughly nine acres of pit expansion are proposed for this project. Methods for ripping and blasting pits will be evaluated to lessen the impact to surface resources. One new pit is proposed for development (approximately 1 acre).

Approximately 10.8 miles of Forest Service System roads will be decommissioned. Decommissioning is defined as activities that result in the stabilization and restoration of unneeded roads to a more natural state. There are five levels of decommissioning. They range from road being 1) blocked 2) revegetated 3) culverts removed 4) unstable fills removed or 5) roadbed is recountoured. Decommissioned could include all five methods. There are many small road segments being proposed for decommissioning throughout the watershed. Portions of system roads proposed to be decommissioned include FR 395 B, FR 124 F, FR 226, and FR 130E. Within the watershed there is another 11.7 miles of roads that will require future evaluation for either potential decommissioning or other mitigations and restrictions. Many of

these roads are OGM roads that have potential for the above management but their future needs are undetermined at this time

There are a number of roads outside but within close proximity to the Spring Creek Watershed boundary that need to be addressed. These roads serve as connected activities to the proposed actions in this project. An additional 12.8 miles of road maintenance and 1.8 miles of limestone surfacing and other watershed mitigations will be proposed for these road segments, facilitating short and long-term management and watershed protection.

According to the new Forest Service Roads Analysis Process, the Forest is required to analyze the effects to resources from all roads in the Project area and develop recommendations. If concerns exist regarding private oil and gas roads on National Forest system lands, the Forest works with oil and gas operators to identify opportunities for improvements to their roads; however the Pennsylvania Department of Environmental Protection (DEP) is the regulatory agency regarding oil and gas development, including access roads. Opportunities to improve OGM roads were identified through the Spring Creek Roads Analysis. The Project Area contains segments of private oil and gas access roads identified by the Forest Service with opportunities for mitigation. Forest Service Resource Administrators will work with the OGM operators to encourage improvement of these road segments.

Preliminary Identification of Issues

The following list of preliminary issues has been identified for the project area by the ID team. This list was developed after review of issues from Environmental Assessments done in the Spring Creek Project Area during the past 10 years, other Forest EIS's, and from consideration of Agency concerns and opportunities. General categories are used to focus on key topics; however, this list will be amended and/or expanded after review of the Spring Creek public comments. During the analysis, alternatives to the proposed action will be developed which respond to the final list of issues. In response to the issues, the alternatives developed may include different levels of activity and may include different prescriptions.

1. Road Management

The Spring Creek watershed contains an array of Forest Service, state, and private roads. An ID team of resource professionals has undertaken and is in the final stages of completing a Roads Analysis Process (RAP) for the Spring Creek watershed. The RAP evaluated the oil and gas, and Forest Service roads and their effects on the ecosystem and made recommendations for road related management. Many opportunities identified in the RAP will be part of the Spring Creek proposed action. The proposed action requires examining the road system to determine if new access is needed, if the existing road system is adequate (and any improvements needed), and if any roads need to be closed for resource protection or other reasons (water quality, wildlife, or recreation opportunities). Roads provide access for recreation, timber, and wildlife management activities. However, roads can also eliminate opportunities for unroaded recreation, cause disturbances to wildlife, and create resource damage (e.g., water quality concerns).

Measures used to evaluate alternatives will be the miles of roads in the Project Area and the amount of investments in new construction and/or reconstruction needed to support resource needs.

2. Even-Aged/Uneven-Aged Management

The Allegheny Forest Plan provides direction regarding the primary silvicultural system to be used in each management area. The primary system for Management Area 3.0 is even-aged management. Uneven-aged management is an option to be considered for inclusions such as riparian areas, wet soils, or visually sensitive areas.

The practice of even-aged management maintains a sustained flow of high quality saw timber from the Allegheny hardwood forest. It is especially appropriate and successful in the Allegheny and Upland hardwood types, which are comprised of tree species that are not tolerant of shade. These include black cherry, red maple, and yellow poplar, which require full sunlight for seedlings to become established and rapidly grow. Uneven-aged management could provide vegetative and structural diversity and habitat for interior species. However, successful implementation of uneven-aged management has not been documented on the Allegheny NF. Additionally, uneven-aged management is only appropriately applied in areas where a large proportion of trees are shade tolerant, such as beech, sugar maple, and hemlock. These species are better able to become established and grow as seedlings in partial or full shade conditions.

The measure used to evaluate the alternatives will be the consideration of uneven-aged vegetative treatments within the Project Area (e.g., along sensitive visual zones, riparian areas, Group 3 soils, and other areas with a predominance of shade tolerant species).

Commenting on the Spring Creek Proposal

We are interested in your comments, suggestions, and recommendations for achieving the purpose and need for the Spring Creek Project. Your concerns and comments become part of our analysis as we identify those issues that may lead to changes in the existing proposed action, develop alternatives, or develop mitigation measures to be applied during implementation. Please review the Purpose of the Proposal and Need for the Proposal sections of this letter. Comments that fall within the scope of the project as described in these two sections are helpful to us as we develop issues. We encourage you to tell us what you know about the area. Site-specific comments are most helpful when trying to narrow and address the public's issues and concerns. Try to phrase comments so that they describe your concern or issue in a "cause and effect" relationship for the proposed action. For example, "Don't build new roads" is not site-specific to the project. A more specific comment would be: "I oppose road building in the XX Project, because the sedimentation produced would harm the spawning habitat of the XX."

Written comments are preferred (see the attached comment form). However, if you prefer to discuss this project personally, or if you would like more information, please contact John Weyant (814) 776-6172, Ext. 138. Comments should be received by May 20, 2002 to be most useful. Submit written, oral, or e-mail comments by:

(1) Mail- "Spring Creek Project"; Marienville Ranger District; RD 1, Box 28A, Ridgway, PA 15853, Attn. John Weyant;

(2) Phone- 814-776-6172;

(3) E-mail- anf/r9_Allegheny@fs.fed.us (please note: when commenting by e-mail be sure to list *Spring Creek EIS* on the subject line and include a US Postal Service address so we may add you to our mailing list).

A copy of this letter and attached maps are also available on the Allegheny National Forest's website at www.fs.fed.us/r9/allegheny under "Projects". More site-specific maps and tables describing the proposed action for the Spring Creek watershed are available upon request and also posted on the ANF website. Please contact John Weyant at the phone number above.

If you are interested in receiving the draft or final Spring Creek EIS, please check the appropriate box on the enclosed comment form, and return it to this office. Please note that both the draft and final Spring Creek EIS will be large documents and in order to cut down on mailing and paper costs please indicate if you wish to receive these documents.

Thank you for your time and your interest in your National Forest.

Sincerely,

LEON BLASHOCK
Marienville District Ranger

Attachments: # 1-3 and the Comment Form

COMMENTS CONCERNING THE SPRING CREEK PROJECT

NAME: _____ DATE: _____

ADDRESS: _____

**I WANT TO RECEIVE THE: SPRING CREEK DRAFT
EIS**

10

FINAL EISThis image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

SPRING CREEK PROJECT
ATTN: JOHN WEYANT
Marienville Ranger District
Ridgway Office
RD 1, Box 28A
RIDGWAY, PA 15853

Spring Creek Project
Vicinity Map



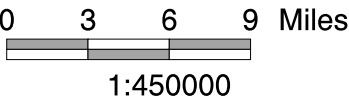
Allegheny National Forest
Marienville Ranger District

Legend

- Spring Creek Boundary
- ANF Boundary
- County
- Major Road
- Major Stream
- Waterbody
- Town
- Private/Other Ownership

This map shows the Spring Creek Project area within the context of the Allegheny National Forest and the Counties therein.

Scale



Spring Creek Project
Management Areas



Allegheny National Forest
Marienville Ranger District

Legend

- Municipal Road
- Forest Road
- Project Boundary
- Management Area
- 1
- 3
- 6.1
- 6.3
- Other Ownership

This map shows the Management Areas found within the Spring Creek Project area.

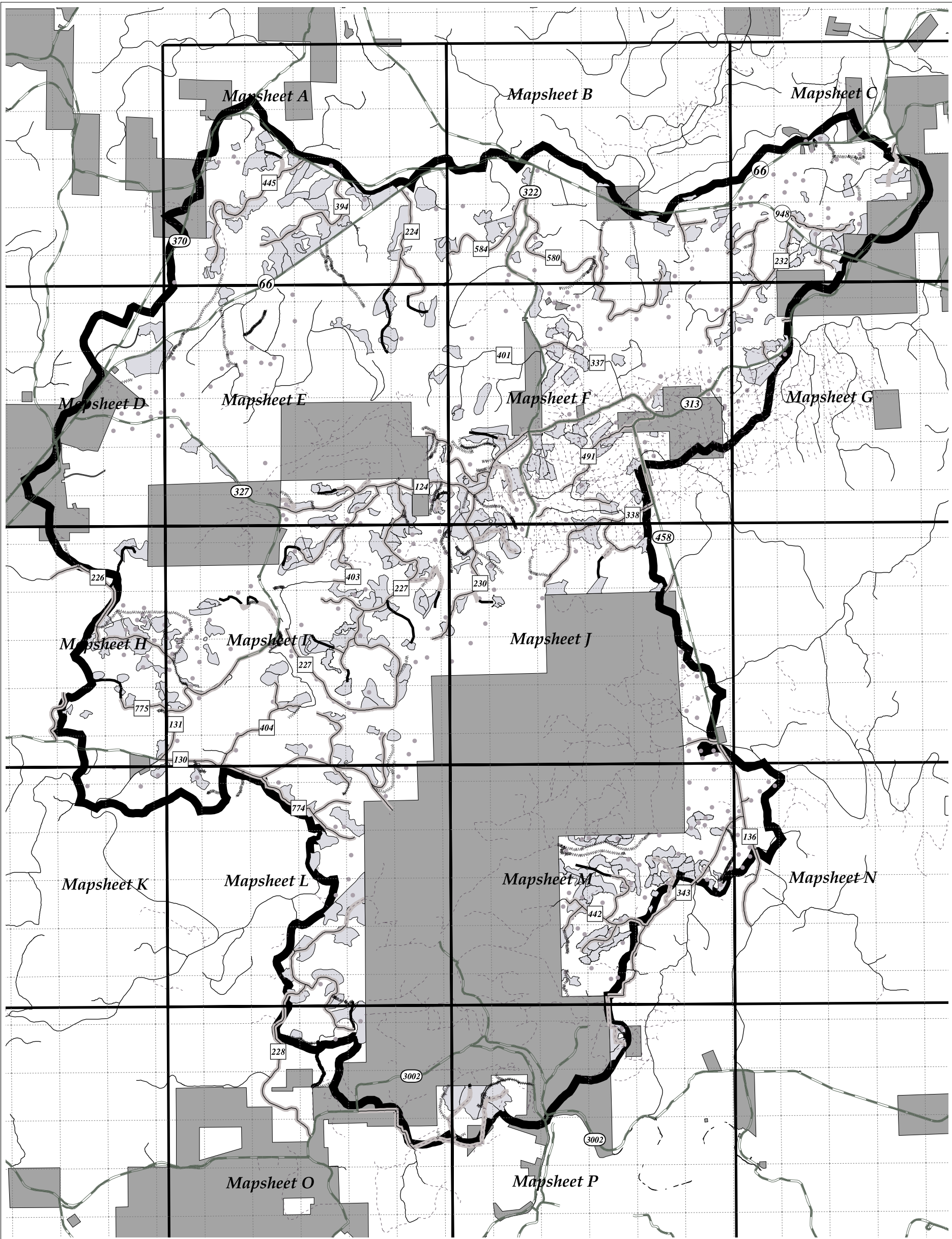
Scale





Silviculture, Wildlife, and Transportation Proposed Actions

Scoping Map
Spring Creek Project
Marienville Ranger District---Allegheny National Forest



Legend

Grid

Mapsheet

Project Area

Private/Other Ownership

Existing Transportation System

Forest Road

Municipal

OGM, Private

Transportation Proposed Action

Potential for Decommission

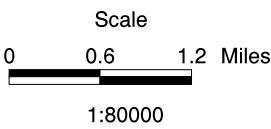
Improvement or Road Maintenance

New Construction

Wildlife Proposed Action

Silviculture Proposed Action

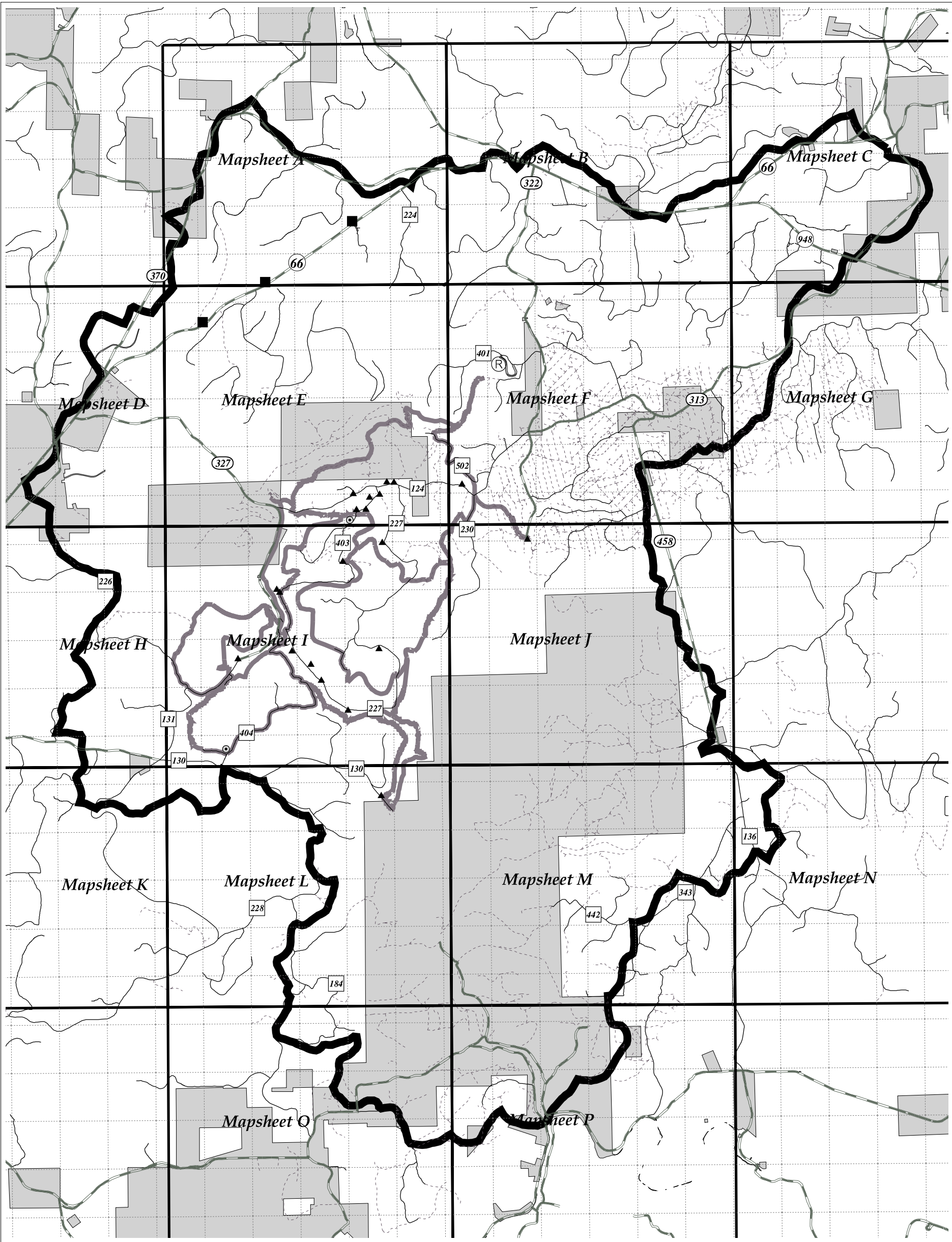
Map sheets showing detailed information are available via the web, on a CD in adobe acrobat format, or hardcopy. To request a hard copy of a specific map sheet or a CD with all sheets, please call John Weyant @ 814-776-6172 ext 138.





Recreation Proposed Actions

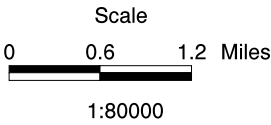
Scoping Map
Spring Creek Project
Marienville Ranger District---Allegheny National Forest



Legend

Grid	Proposed Equestrian Trailhead
Mapsheet	Scenic enhancement
Project Area	New or Improve Recreation Site
Private/Other Ownership	Proposed Equestrian Trail
Existing Transportation System	Proposed ATV Campsite
Forest Road	
Municipal	
OGM, Private	

Map sheets showing detailed information are available via the web, on a CD in adobe acrobat format, or hardcopy. To request a hard copy of a specific map sheet or a CD with all sheets, please call John Weyant @ 814-776-6172 ext 138.

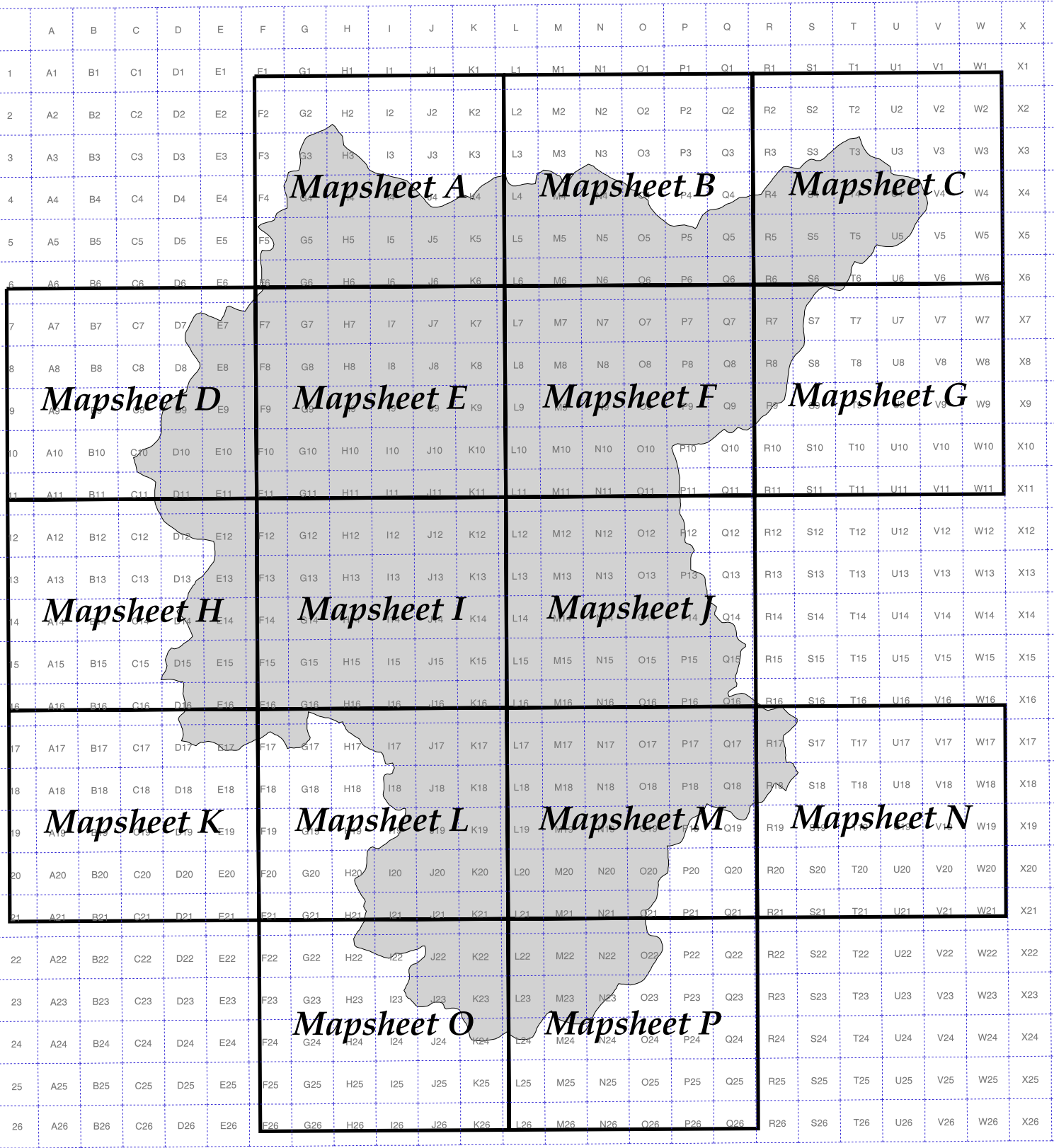
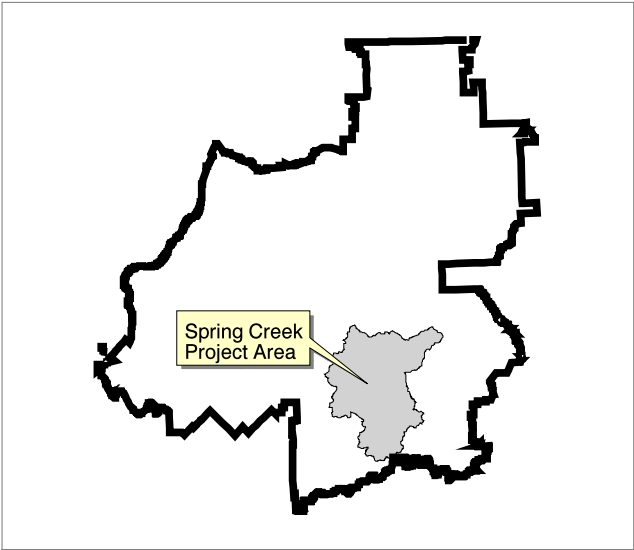
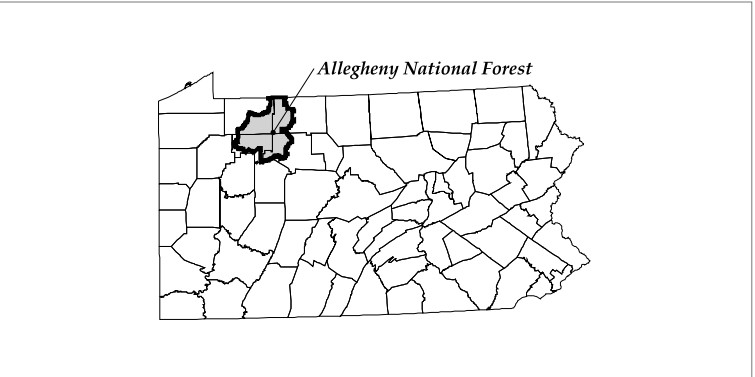


Spring Creek Project



Marienville Ranger District
Allegheny National Forest

Scoping: Index

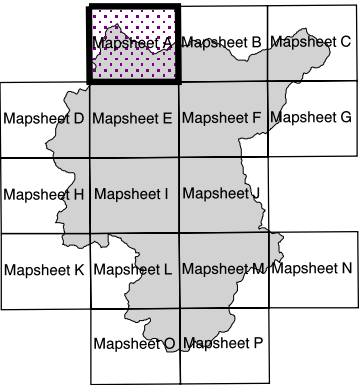


Spring Creek Project

Scoping: Proposed Action

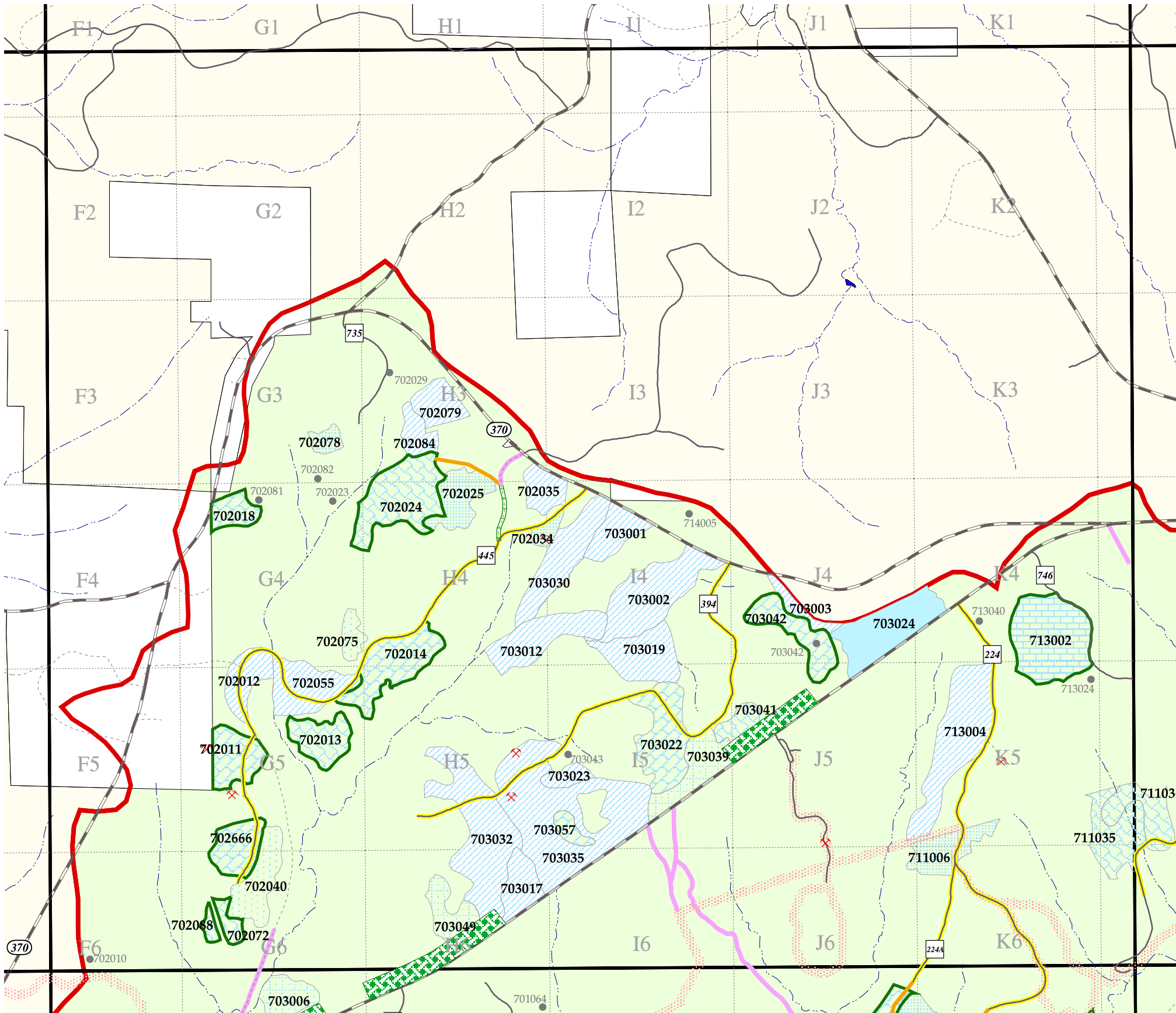
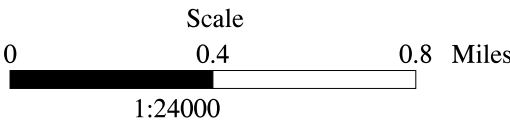
Marienville Ranger District
Allegheny National Forest

Map Sheet: A Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

- | | |
|--------------------------------|--|
| Municipal Road | Silviculture Proposed Action |
| Forest Road | Salvage Thinning |
| OGM, Private Road | Two Age |
| Municipal/State Road Number | Overstory Removal |
| Forest Road Number | Shelterwood Seed/Overstory Removal |
| Trails | Salvage Shelterwood Seed/Overstory Removal |
| Stone Pits | Uneven-Aged Management |
| Stream | Salvage Windthrow |
| Waterbody | Reforestation Planting |
| Project Area | Crop Tree Release |
| Non-Forest Service | Non-Commercial Improvement/TSI |
| Grid | Proposed Area Fencing |
| Mapsheet | 702021 Stand Number-Silviculture Proposal |
| Transportation Proposed Action | 702021 Stand Number-Wildlife Proposal |
| Potential for Decommission | Recreation Proposed Action |
| Improvement | Scenic enhancement |
| New Construction | Improve Dispersed Campsite |
| Road Maintenance | New Dispersed Campsite |
| Wildlife Proposed Action | ATV Campsite |

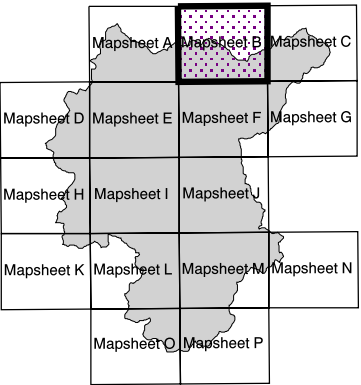


Spring Creek Project

Scoping: Proposed Action

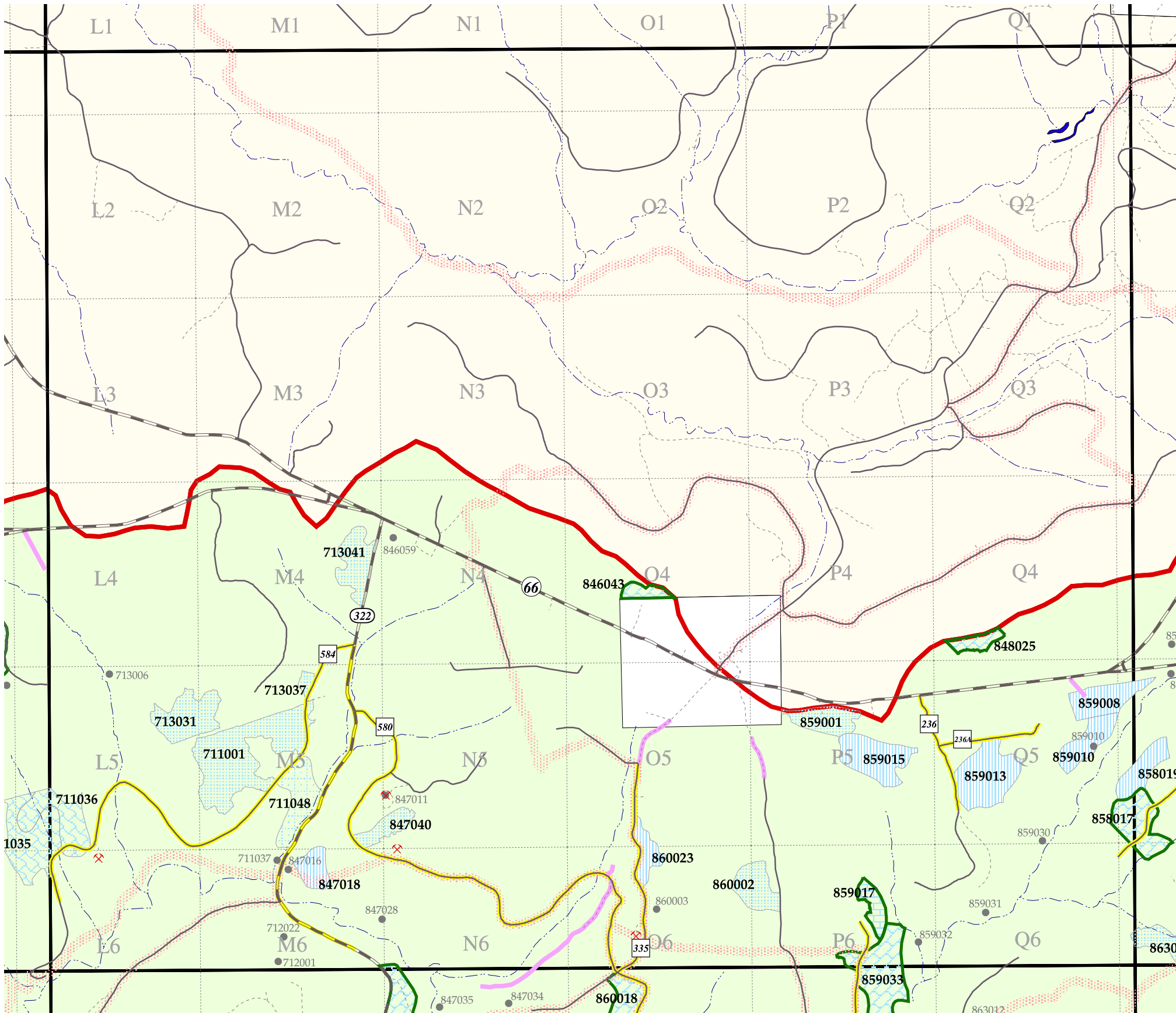
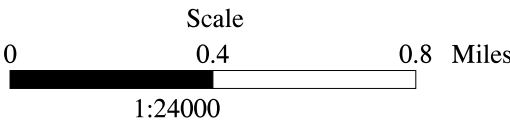
Marienville Ranger District
Allegheny National Forest

Map Sheet: B Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

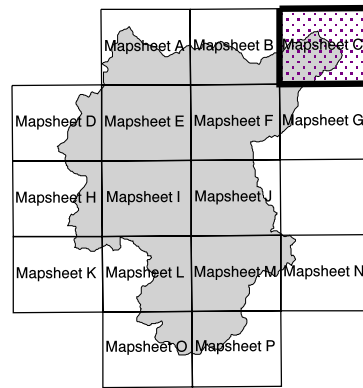
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|--|-------------|-------------------|-----------------------------|--------------------|--------|------------|--------|-----------|--------------|--------------------|------|----------|
| Municipal Road | Forest Road | OGM, Private Road | Municipal/State Road Number | Forest Road Number | Trails | Stone Pits | Stream | Waterbody | Project Area | Non-Forest Service | Grid | Mapsheet |
| Silviculture Proposed Action | | | | | | | | | | | | |
| Thinning | | | | | | | | | | | | |
| Salvage Thinning | | | | | | | | | | | | |
| Two Age | | | | | | | | | | | | |
| Overstory Removal | | | | | | | | | | | | |
| Shelterwood Seed/Overstory Removal | | | | | | | | | | | | |
| Salvage Shelterwood Seed/Overstory Removal | | | | | | | | | | | | |
| Uneven-Aged Management | | | | | | | | | | | | |
| Salvage Windthrow | | | | | | | | | | | | |
| Reforestation Planting | | | | | | | | | | | | |
| Crop Tree Release | | | | | | | | | | | | |
| Non-Commercial Improvement/TSI | | | | | | | | | | | | |
| Proposed Area Fencing | | | | | | | | | | | | |
| 702021 Stand Number-Silviculture Proposal | | | | | | | | | | | | |
| 702021 Stand Number-Wildlife Proposal | | | | | | | | | | | | |
| Transportation Proposed Action | | | | | | | | | | | | |
| Potential for Decommission | | | | | | | | | | | | |
| Improvement | | | | | | | | | | | | |
| New Construction | | | | | | | | | | | | |
| Road Maintenance | | | | | | | | | | | | |
| Wildlife Proposed Action | | | | | | | | | | | | |
| Scenic enhancement | | | | | | | | | | | | |
| Improve Dispersed Campsite | | | | | | | | | | | | |
| New Dispersed Campsite | | | | | | | | | | | | |
| ATV Campsite | | | | | | | | | | | | |



Spring Creek Project

Scoping: Proposed Action

Marienville Ranger District
Allegheny National Forest

Map Sheet: **C** Silviculture, Wildlife, Transportation, & Recreation Campsites

Legend

- Legend:**

 - Municipal Road** (Solid black line)
 - Forest Road** (Dashed black line)
 - OGM, Private Road** (Dotted black line)
 - Municipal/State Road Number** (Circle with black outline)
 - Forest Road Number** (Square with black outline)
 - Trails** (Red dotted line)
 - Stone Pits** (Red 'X' symbol)
 - Stream** (Blue dashed line)
 - Waterbody** (Blue solid area)
 - Project Area** (Green dashed border)
 - Non-Forest Service** (White area)
 - Grid** (Dotted black line)
 - Mapsheet** (Black outline)

Transportation Proposed Action

 - Potential for Decommission** (Pink solid area)
 - Improvement** (Green dashed border)
 - New Construction** (Orange solid area)
 - Road Maintenance** (Yellow solid area)

Wildlife Proposed Action

 - Wildlife** (Black dot)

Silviculture Proposed Action

 - Thinning** (Blue diagonal lines)
 - Salvage Thinning** (Blue vertical lines)
 - Two Age** (Blue horizontal lines)
 - Overstory Removal** (Blue squares)
 - Shelterwood Seed/Overstory Removal** (Blue triangles)
 - Salvage Shelterwood Seed/Overstory Removal** (Blue diamonds)
 - Uneven-Aged Management** (Blue solid area)
 - Salvage Windthrow** (Blue dots)
 - Reforestation Planting** (Blue crosses)
 - Crop Tree Release** (Blue pluses)
 - Non-Commercial Improvement/TSI** (Blue asterisks)
 - Proposed Area Fencing** (Green solid border)

702021 Stand Number-Silviculture Proposal
702021 Stand Number-Wildlife Proposal

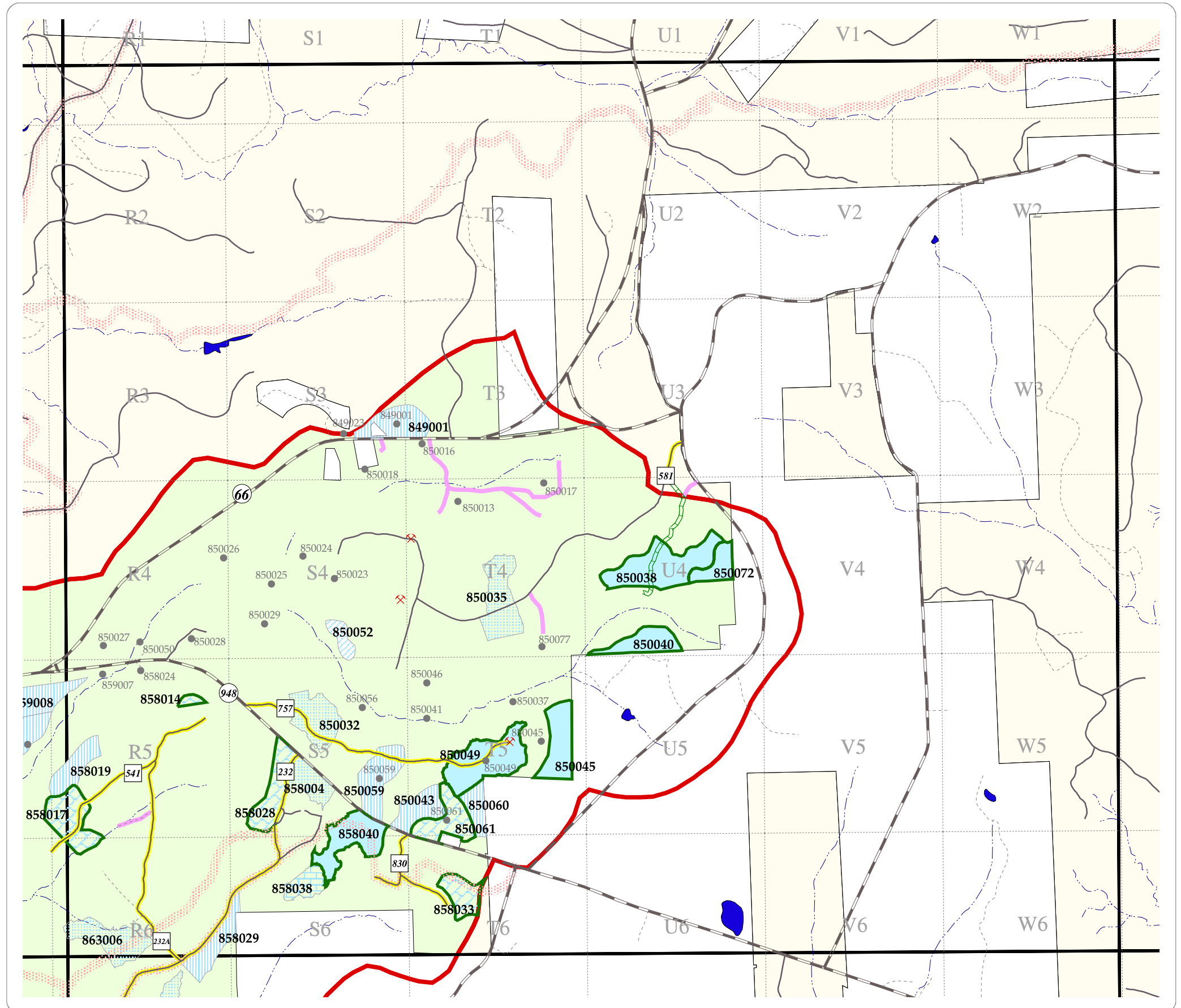
Recreation Proposed Action

 - Scenic enhancement** (Green checkered area)
 - Improve Dispersed Campsite** (Black triangle)
 - New Dispersed Campsite** (Black square)
 - ATV Campsite** (Green circle with black outline)

Scale

0 0.4 0.8 Miles

1:24000

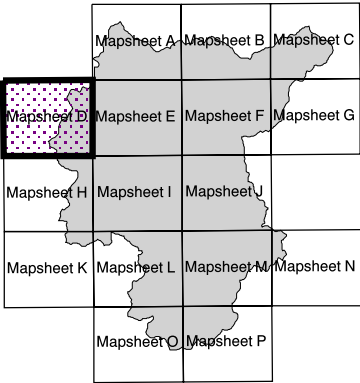


Spring Creek Project

Scoping: Proposed Action

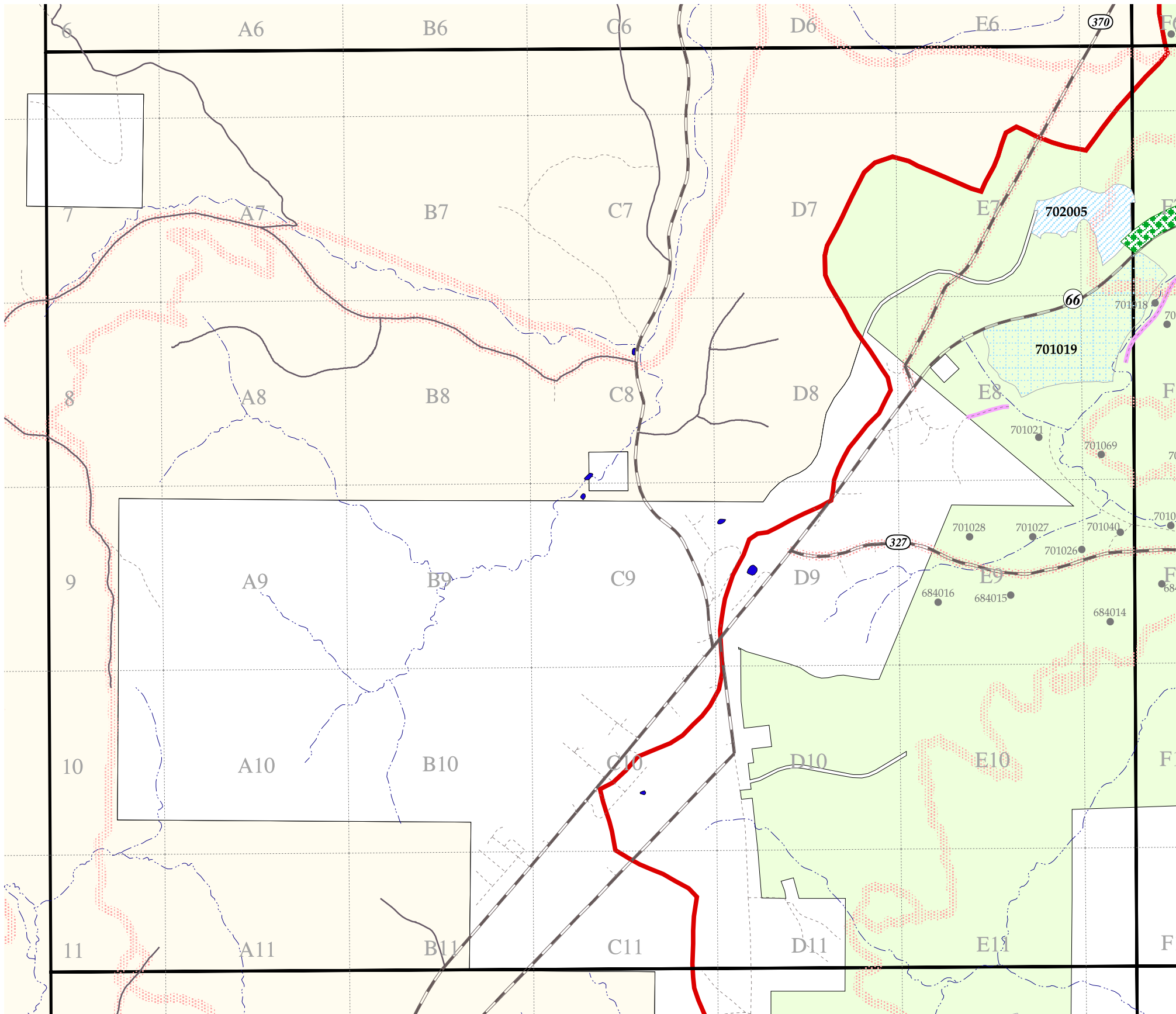
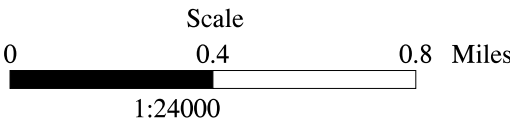
Marienville Ranger District
Allegheny National Forest

Map Sheet: D Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

- | | | | | | | | | | | | | |
|--|-------------|-------------------|-----------------------------|--------------------|--------|------------|--------|-----------|--------------|--------------------|------|----------|
| Municipal Road | Forest Road | OGM, Private Road | Municipal/State Road Number | Forest Road Number | Trails | Stone Pits | Stream | Waterbody | Project Area | Non-Forest Service | Grid | Mapsheet |
| Silviculture Proposed Action | | | | | | | | | | | | |
| Thinning | | | | | | | | | | | | |
| Salvage Thinning | | | | | | | | | | | | |
| Two Age | | | | | | | | | | | | |
| Overstory Removal | | | | | | | | | | | | |
| Shelterwood Seed/Overstory Removal | | | | | | | | | | | | |
| Salvage Shelterwood Seed/Overstory Removal | | | | | | | | | | | | |
| Uneven-Aged Management | | | | | | | | | | | | |
| Salvage Windthrow | | | | | | | | | | | | |
| Reforestation Planting | | | | | | | | | | | | |
| Crop Tree Release | | | | | | | | | | | | |
| Non-Commercial Improvement/TSI | | | | | | | | | | | | |
| Proposed Area Fencing | | | | | | | | | | | | |
| 702021 Stand Number-Silviculture Proposal | | | | | | | | | | | | |
| 702021 Stand Number-Wildlife Proposal | | | | | | | | | | | | |
| Transportation Proposed Action | | | | | | | | | | | | |
| Potential for Decommission | | | | | | | | | | | | |
| Improvement | | | | | | | | | | | | |
| New Construction | | | | | | | | | | | | |
| Road Maintenance | | | | | | | | | | | | |
| Wildlife Proposed Action | | | | | | | | | | | | |
| Scenic enhancement | | | | | | | | | | | | |
| Improve Dispersed Campsite | | | | | | | | | | | | |
| New Dispersed Campsite | | | | | | | | | | | | |
| ATV Campsite | | | | | | | | | | | | |

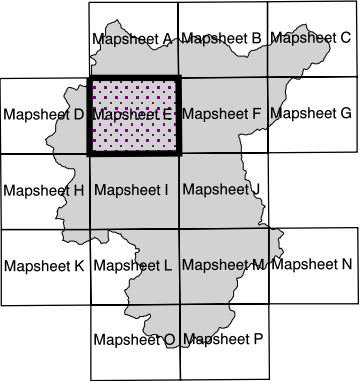


Spring Creek Project

Scoping: Proposed Action

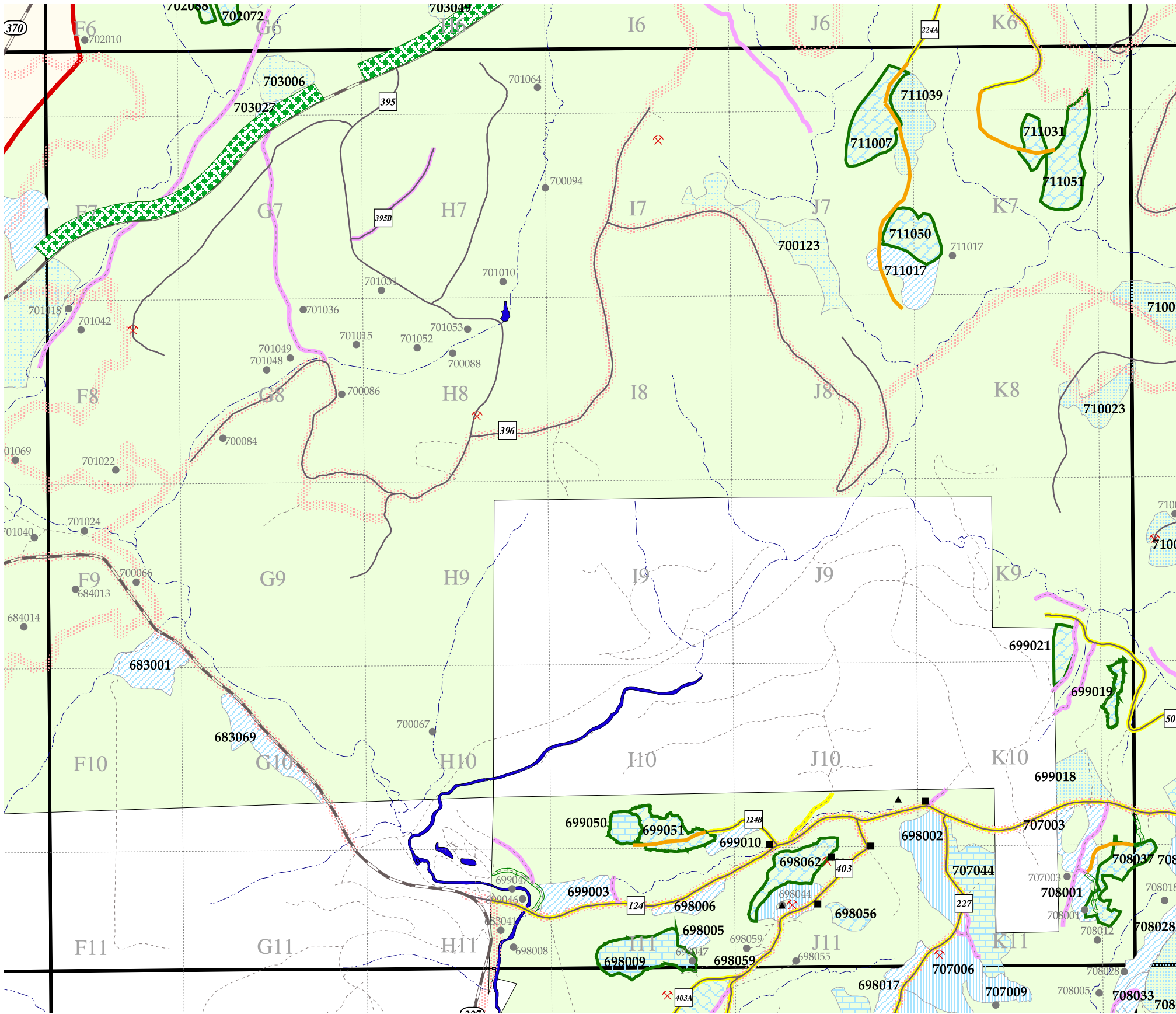
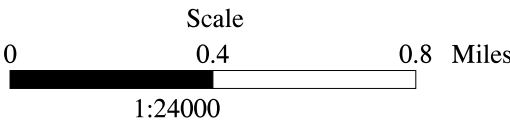
Marienville Ranger District
Allegheny National Forest

Map Sheet: E Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

- | | |
|--------------------|-----------------------------|
| Municipal Road | Forest Road |
| OGM, Private Road | Municipal/State Road Number |
| Forest Road Number | Trails |
| Stone Pits | Stream |
| Waterbody | Project Area |
| Non-Forest Service | Grid |
| Mapsheet | |
- Silviculture Proposed Action**
- | |
|--|
| Thinning |
| Salvage Thinning |
| Two Age |
| Overstory Removal |
| Shelterwood Seed/Overstory Removal |
| Salvage Shelterwood Seed/Overstory Removal |
| Uneven-Aged Management |
| Salvage Windthrow |
| Reforestation Planting |
| Crop Tree Release |
| Non-Commercial Improvement/TSI |
| Proposed Area Fencing |
- Transportation Proposed Action**
- | |
|----------------------------|
| Potential for Decommission |
| Improvement |
| New Construction |
| Road Maintenance |
| Wildlife Proposed Action |
- Recreation Proposed Action**
- | |
|----------------------------|
| Scenic enhancement |
| Improve Dispersed Campsite |
| New Dispersed Campsite |
| ATV Campsite |
- Stand Number-Silviculture Proposal**
- | | |
|--------|------------------------------------|
| 702021 | Stand Number-Silviculture Proposal |
| 702021 | Stand Number-Wildlife Proposal |

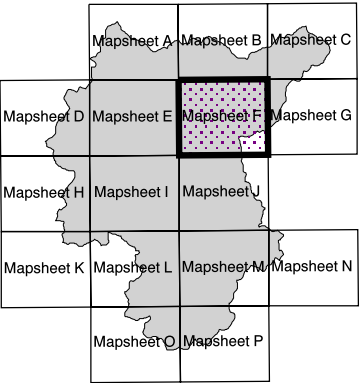


Spring Creek Project

Scoping: Proposed Action

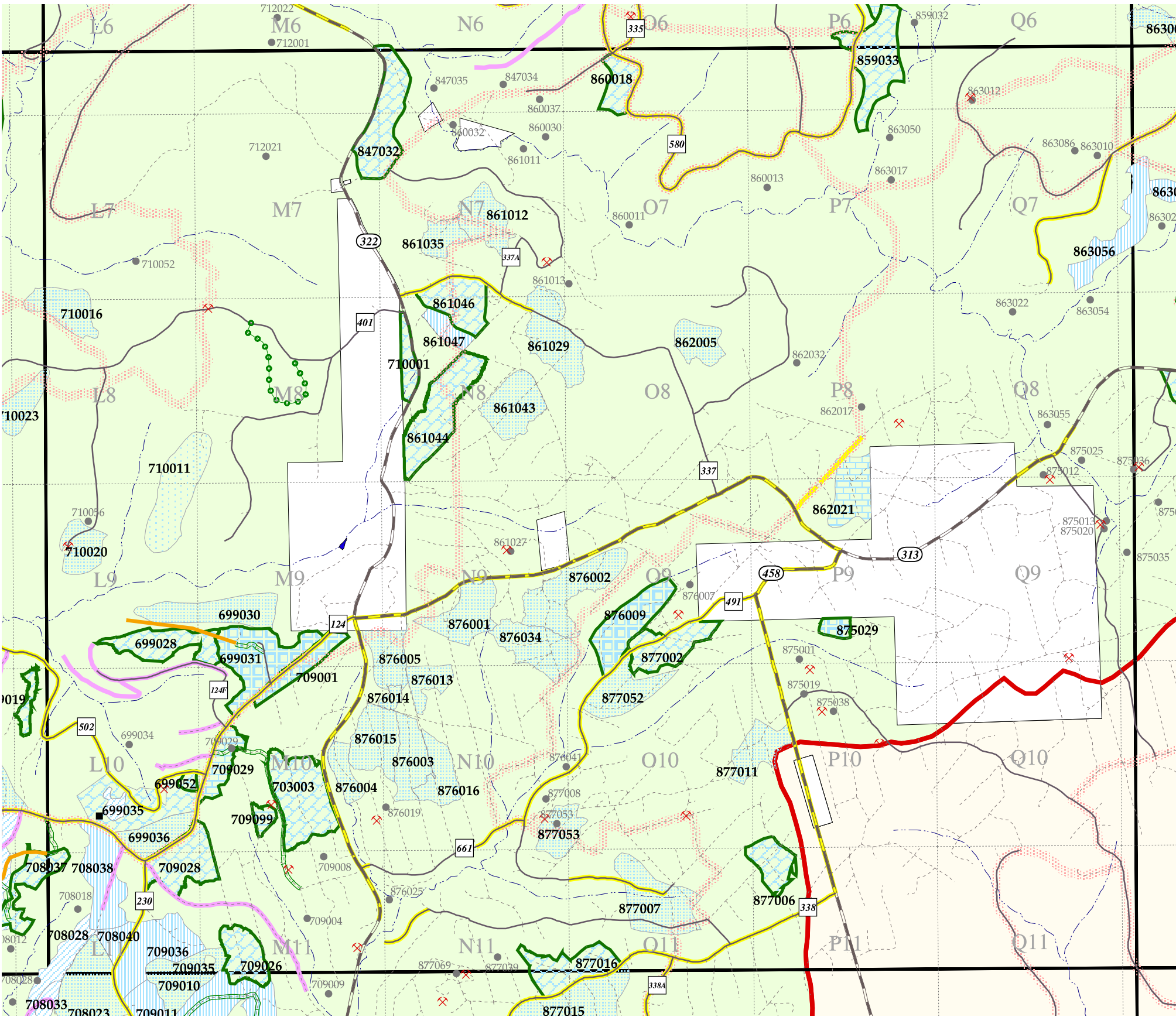
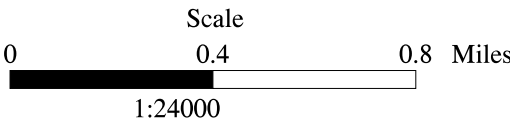
Marienville Ranger District
Allegheny National Forest

Map Sheet: F Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

- | | | | | | | | | | | | | |
|--|-------------|-------------------|-----------------------------|--------------------|--------|------------|--------|-----------|--------------|--------------------|------|----------|
| Municipal Road | Forest Road | OGM, Private Road | Municipal/State Road Number | Forest Road Number | Trails | Stone Pits | Stream | Waterbody | Project Area | Non-Forest Service | Grid | Mapsheet |
| Silviculture Proposed Action | | | | | | | | | | | | |
| Thinning | | | | | | | | | | | | |
| Salvage Thinning | | | | | | | | | | | | |
| Two Age | | | | | | | | | | | | |
| Overstory Removal | | | | | | | | | | | | |
| Shelterwood Seed/Overstory Removal | | | | | | | | | | | | |
| Salvage Shelterwood Seed/Overstory Removal | | | | | | | | | | | | |
| Uneven-Aged Management | | | | | | | | | | | | |
| Salvage Windthrow | | | | | | | | | | | | |
| Reforestation Planting | | | | | | | | | | | | |
| Crop Tree Release | | | | | | | | | | | | |
| Non-Commercial Improvement/TSI | | | | | | | | | | | | |
| Proposed Area Fencing | | | | | | | | | | | | |
| Transportation Proposed Action | | | | | | | | | | | | |
| Potential for Decommission | | | | | | | | | | | | |
| Improvement | | | | | | | | | | | | |
| New Construction | | | | | | | | | | | | |
| Road Maintenance | | | | | | | | | | | | |
| Wildlife Proposed Action | | | | | | | | | | | | |
| Scenic enhancement | | | | | | | | | | | | |
| Improve Dispersed Campsite | | | | | | | | | | | | |
| New Dispersed Campsite | | | | | | | | | | | | |
| ATV Campsite | | | | | | | | | | | | |

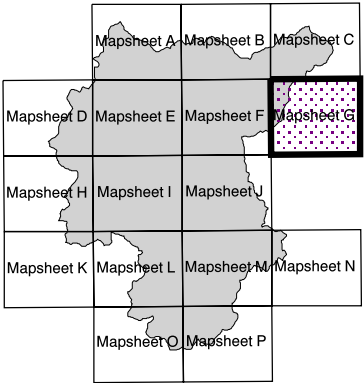


Spring Creek Project

Scoping: Proposed Action

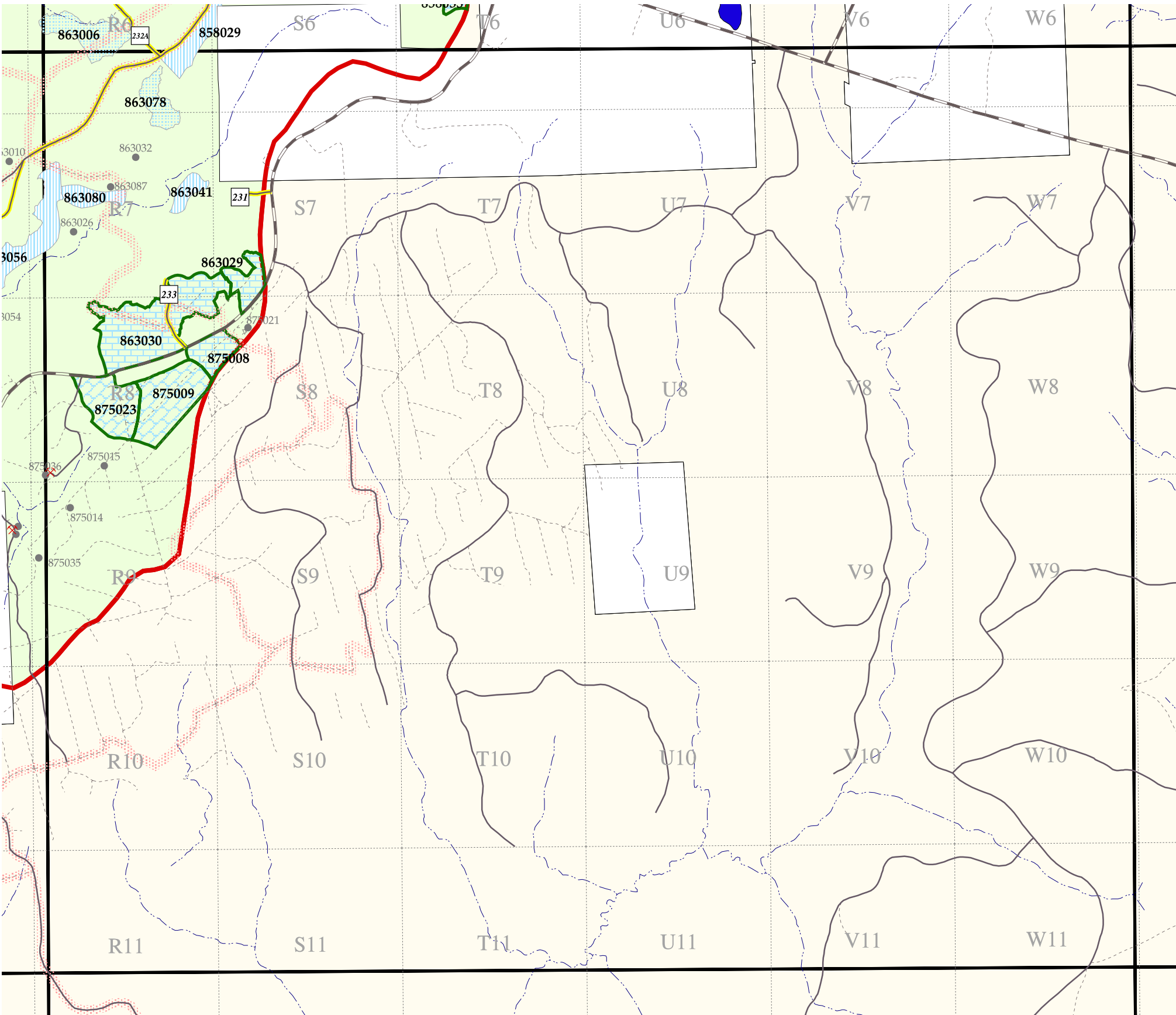
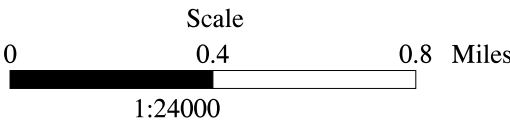
Marienville Ranger District
Allegheny National Forest

Map Sheet: **G** Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

- | | |
|---------------------------------------|--|
| Municipal Road | Silviculture Proposed Action |
| Forest Road | Thinning |
| OGM, Private Road | Salvage Thinning |
| Municipal/State Road Number | Two Age |
| Forest Road Number | Overstory Removal |
| Trails | Shelterwood Seed/Overstory Removal |
| Stone Pits | Salvage Shelterwood Seed/Overstory Removal |
| Stream | Uneven-Aged Management |
| Waterbody | Salvage Windthrow |
| Project Area | Reforestation Planting |
| Non-Forest Service | Crop Tree Release |
| Grid | Non-Commercial Improvement/TSI |
| Mapsheet | Proposed Area Fencing |
| Transportation Proposed Action | 702021 Stand Number-Silviculture Proposal |
| Potential for Decommission | 702021 Stand Number-Wildlife Proposal |
| Improvement | Recreation Proposed Action |
| New Construction | Scenic enhancement |
| Road Maintenance | Improve Dispersed Campsite |
| Wildlife Proposed Action | New Dispersed Campsite |
| | ATV Campsite |

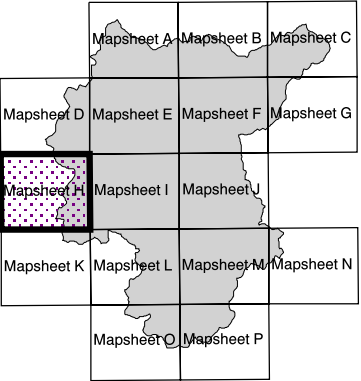


Spring Creek Project

Scoping: Proposed Action

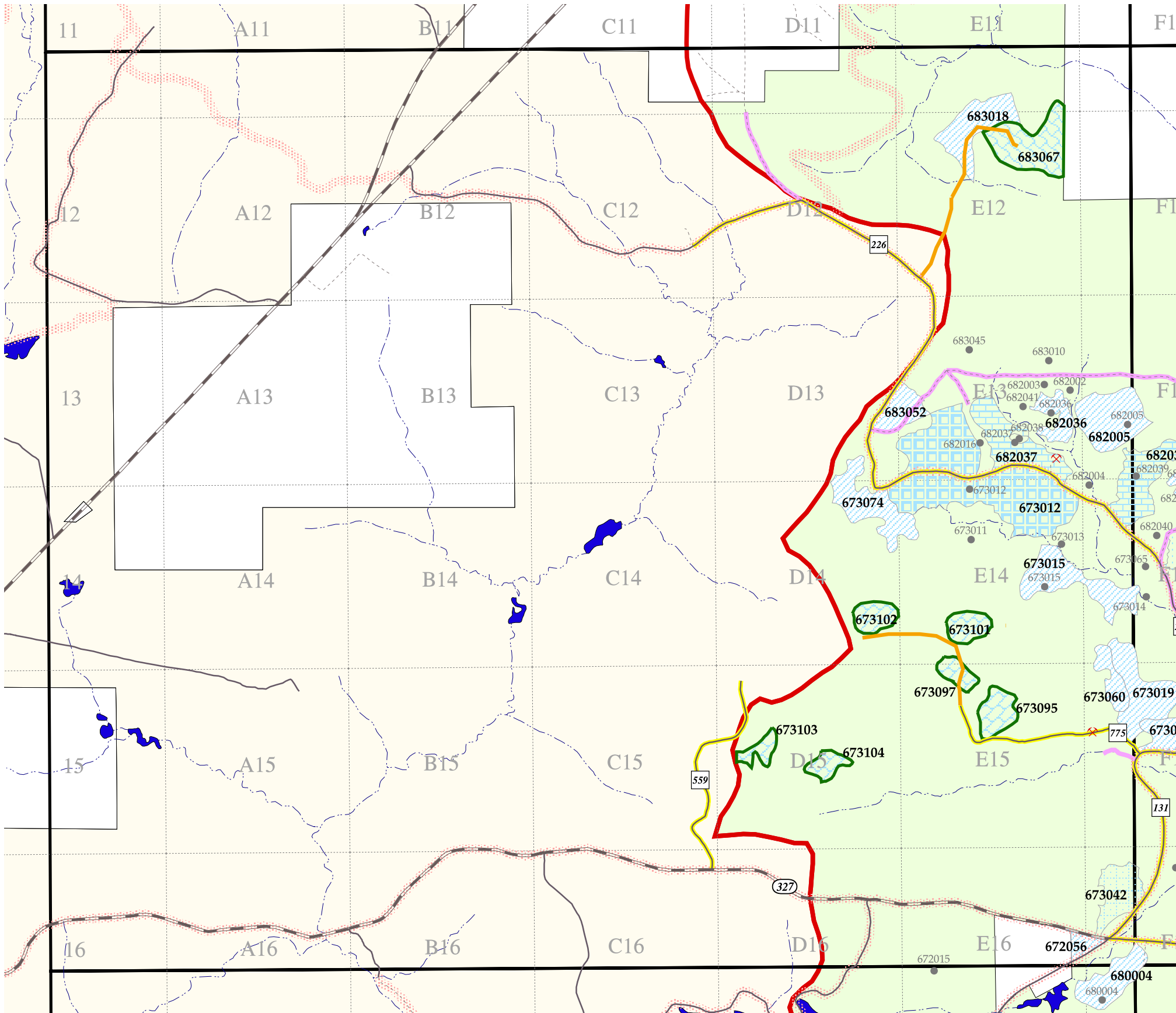
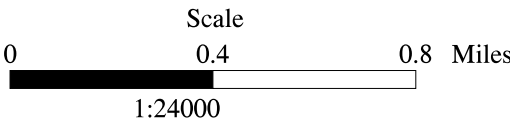
Marienville Ranger District
Allegheny National Forest

Map Sheet: H Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

- | | |
|--------------------------------|--|
| Municipal Road | Silviculture Proposed Action |
| Forest Road | Salvage Thinning |
| OGM, Private Road | Two Age |
| Municipal/State Road Number | Overstory Removal |
| Forest Road Number | Shelterwood Seed/Overstory Removal |
| Trails | Salvage Shelterwood Seed/Overstory Removal |
| Stone Pits | Uneven-Aged Management |
| Stream | Salvage Windthrow |
| Waterbody | Reforestation Planting |
| Project Area | Crop Tree Release |
| Non-Forest Service | Non-Commercial Improvement/TSI |
| Grid | Proposed Area Fencing |
| Mapsheet | 702021 Stand Number-Silviculture Proposal |
| Transportation Proposed Action | 702021 Stand Number-Wildlife Proposal |
| Potential for Decommission | Recreation Proposed Action |
| Improvement | Scenic enhancement |
| New Construction | Improve Dispersed Campsite |
| Road Maintenance | New Dispersed Campsite |
| Wildlife Proposed Action | ATV Campsite |

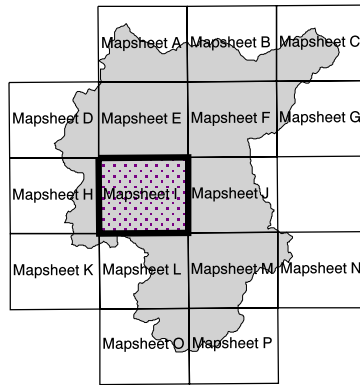


Spring Creek Project

Scoping: Proposed Action

Marienville Ranger District
Allegheny National Forest

Map Sheet: I Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

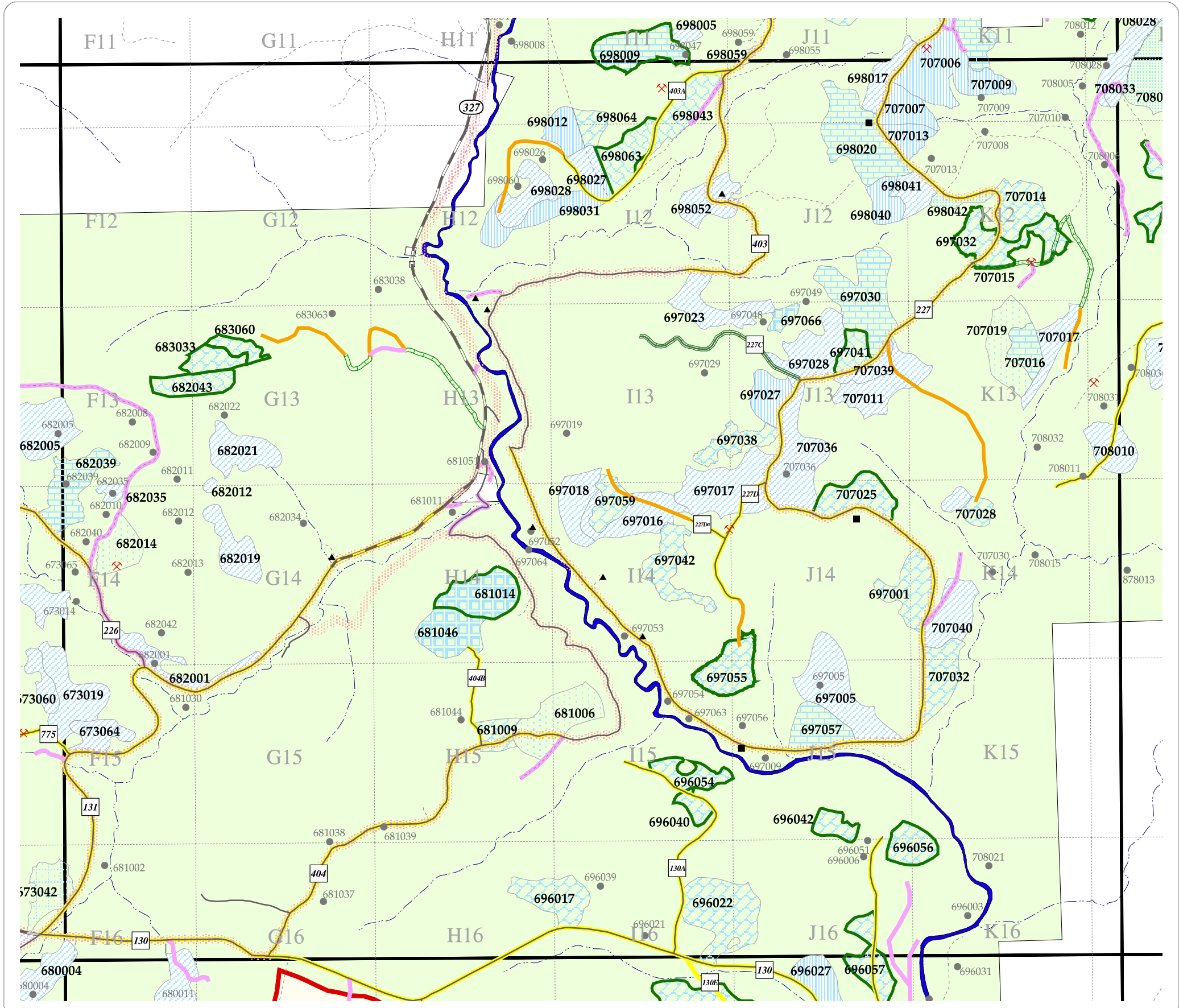
- Legend:**

 - Roads:**
 - Municipal Road (Solid grey line)
 - Forest Road (Solid black line)
 - OGM, Private Road (Dashed grey line)
 - Municipal/State Road Number (Circle with number)
 - Forest Road Number (Square with number)
 - Trails:**
 - Trails (Red dashed line)
 - Stone Pits (Red 'X' symbol)
 - Stream (Blue dashed line)
 - Waterbody (Solid blue area)
 - Project Area:**
 - Project Area (Red dashed border)
 - Non-Forest Service (White area)
 - Grid (Dotted line)
 - Mapsheet (Thick black border)
 - Silviculture Proposed Action:**
 - Thinning (Blue diagonal lines)
 - Salvage Thinning (Blue horizontal lines)
 - Two Age (Blue vertical lines)
 - Overstory Removal (Blue grid)
 - Shelterwood Seed/Overstory Removal (Blue wavy lines)
 - Salvage Shelterwood Seed/Overstory Removal (Blue wavy lines with dots)
 - Uneven-Aged Management (Solid light blue)
 - Salvage Windthrow (Blue dots)
 - Reforestation Planting (Blue dots with crosses)
 - Crop Tree Release (Blue 'X' pattern)
 - Non-Commercial Improvement/TSI (Blue 'X' pattern with dots)
 - Proposed Area Fencing (Green dashed border)
 - Transportation Proposed Action:**
 - Potential for Decommission (Pink wavy lines)
 - Improvement (Green wavy lines)
 - New Construction (Orange solid area)
 - Road Maintenance (Yellow solid area)
 - Wildlife Proposed Action:**
 - Wildlife Proposed Action (Black dot)
 - Recreation Proposed Action:**
 - Scenic enhancement (Green wavy lines)
 - Improve Dispersed Campsite (Black triangle)
 - New Dispersed Campsite (Black triangle)
 - ATV Campsite (Green circle with 'X')

Scale

0 0.4 0.8 Miles

1:24000

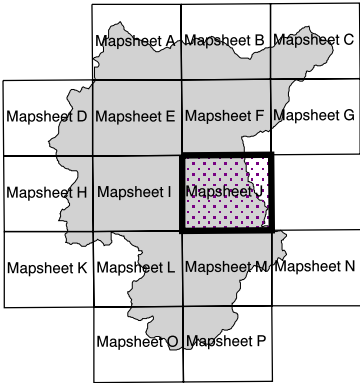


Spring Creek Project

Scoping: Proposed Action

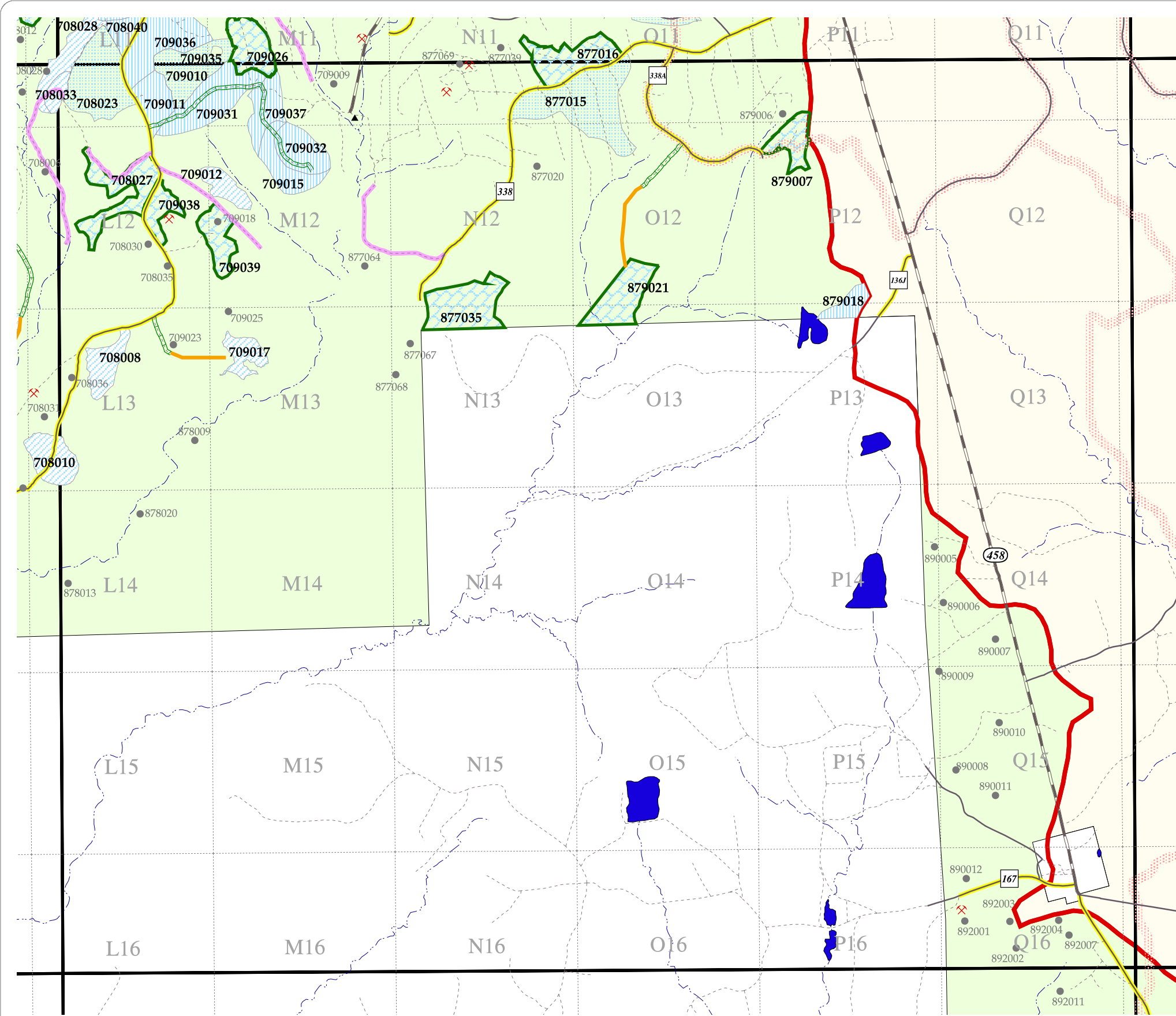
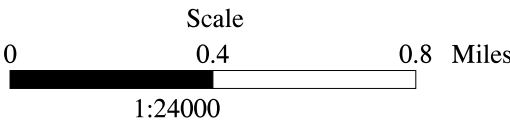
Marienville Ranger District
Allegheny National Forest

Map Sheet: J Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

- | | |
|---------------------------------------|--|
| Municipal Road | Silviculture Proposed Action |
| Forest Road | Salvage Thinning |
| OGM, Private Road | Two Age |
| Municipal/State Road Number | Overstory Removal |
| Forest Road Number | Shelterwood Seed/Overstory Removal |
| Trails | Salvage Shelterwood Seed/Overstory Removal |
| Stone Pits | Uneven-Aged Management |
| Stream | Salvage Windthrow |
| Waterbody | Reforestation Planting |
| Project Area | Crop Tree Release |
| Non-Forest Service | Non-Commercial Improvement/TSI |
| Grid | Proposed Area Fencing |
| Mapsheet | |
| Transportation Proposed Action | 702021 Stand Number-Silviculture Proposal |
| Potential for Decommission | 702021 Stand Number-Wildlife Proposal |
| Improvement | |
| New Construction | Recreation Proposed Action |
| Road Maintenance | Scenic enhancement |
| Wildlife Proposed Action | Improve Dispersed Campsite |
| | New Dispersed Campsite |
| | ATV Campsite |

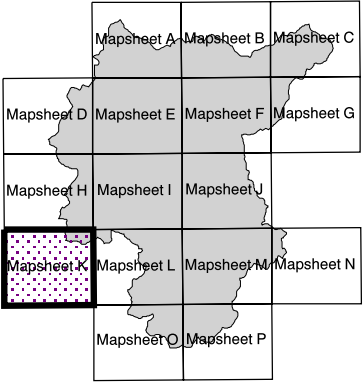


Spring Creek Project

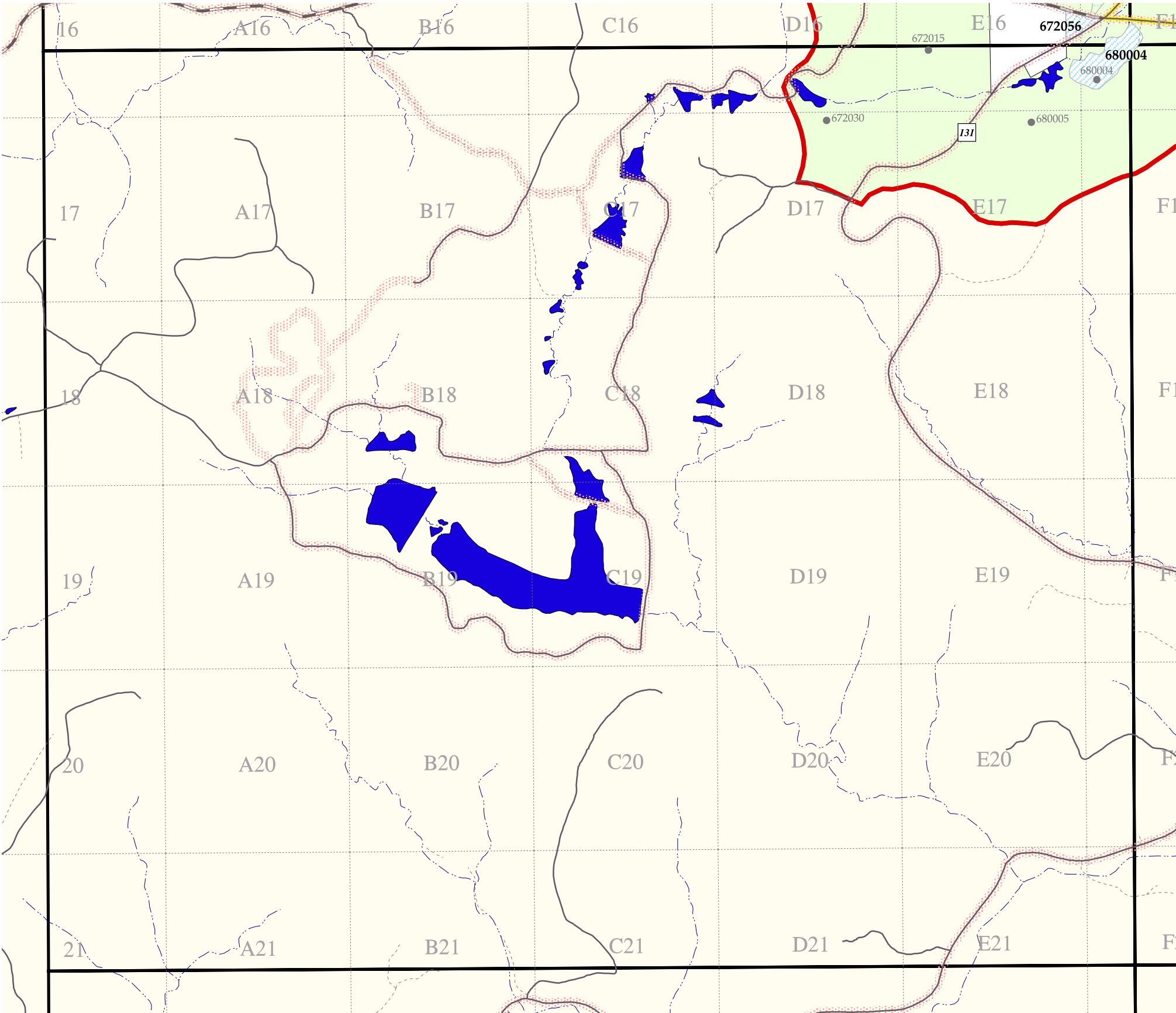
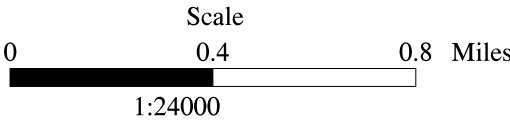
Scoping: Proposed Action

Marienville Ranger District
Allegheny National Forest

Map Sheet: K Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

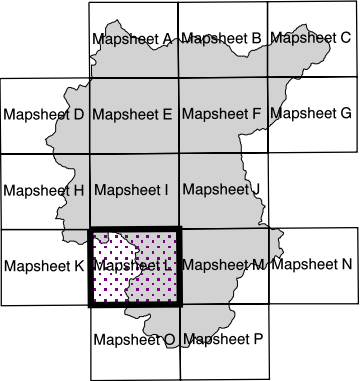


Spring Creek Project

Scoping: Proposed Action

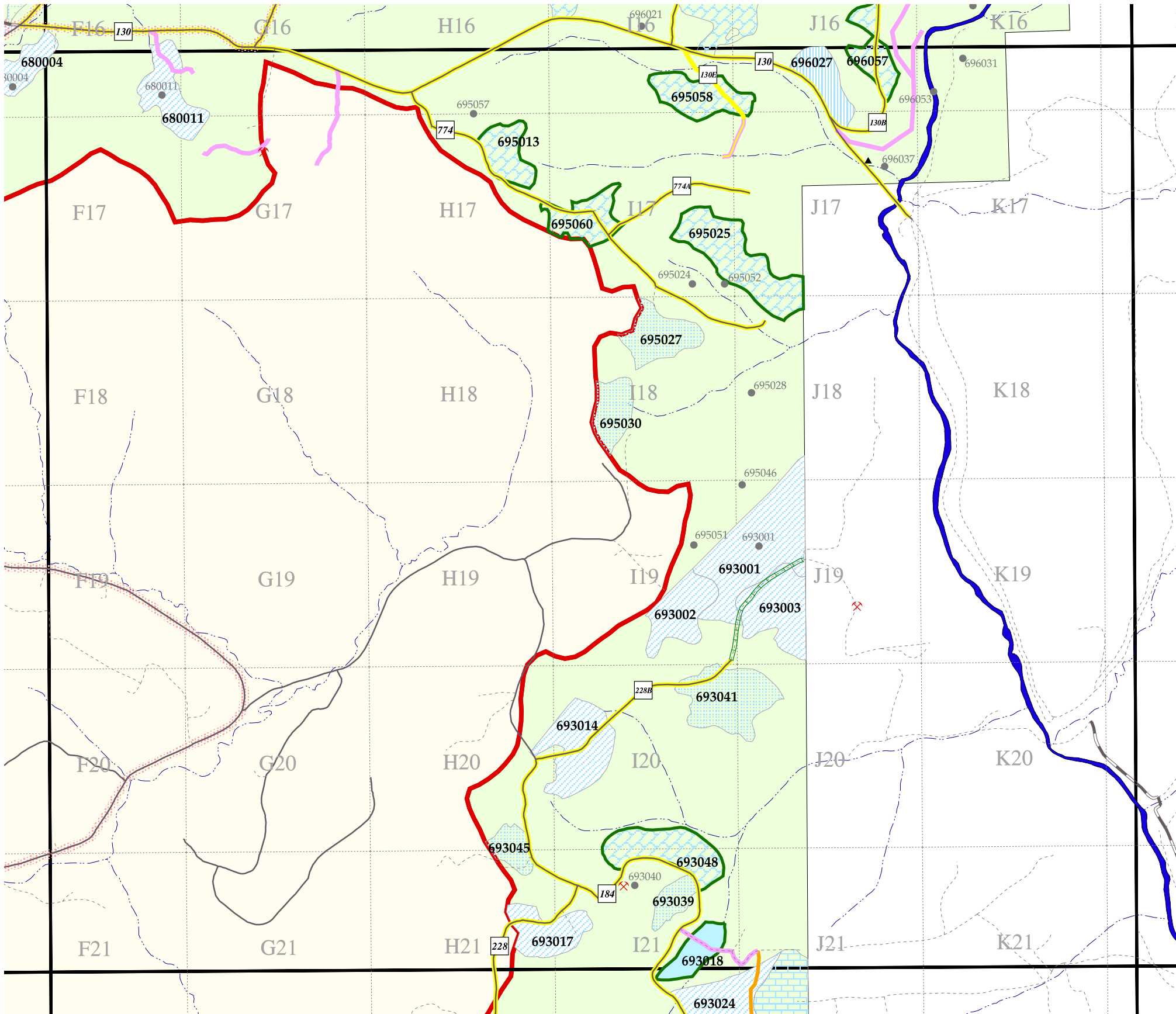
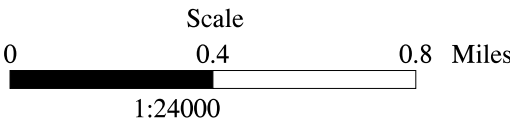
Marienville Ranger District
Allegheny National Forest

Map Sheet: L Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

- | | |
|---------------------------------------|--|
| Municipal Road | Silviculture Proposed Action |
| Forest Road | Salvage Thinning |
| OGM, Private Road | Two Age |
| Municipal/State Road Number | Overstory Removal |
| Forest Road Number | Shelterwood Seed/Overstory Removal |
| Trails | Salvage Shelterwood Seed/Overstory Removal |
| Stone Pits | Uneven-Aged Management |
| Stream | Salvage Windthrow |
| Waterbody | Reforestation Planting |
| Project Area | Crop Tree Release |
| Non-Forest Service | Non-Commercial Improvement/TSI |
| Grid | Proposed Area Fencing |
| Mapsheet | |
| Transportation Proposed Action | 702021 Stand Number-Silviculture Proposal |
| Potential for Decommission | 702021 Stand Number-Wildlife Proposal |
| Improvement | Recreation Proposed Action |
| New Construction | Scenic enhancement |
| Road Maintenance | Improve Dispersed Campsite |
| Wildlife Proposed Action | New Dispersed Campsite |
| | ATV Campsite |

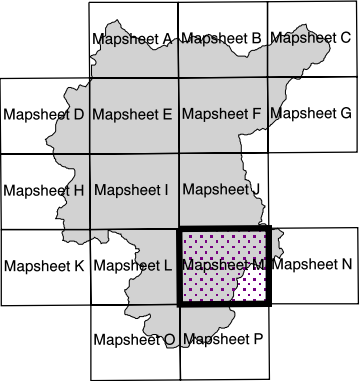


Spring Creek Project

Scoping: Proposed Action

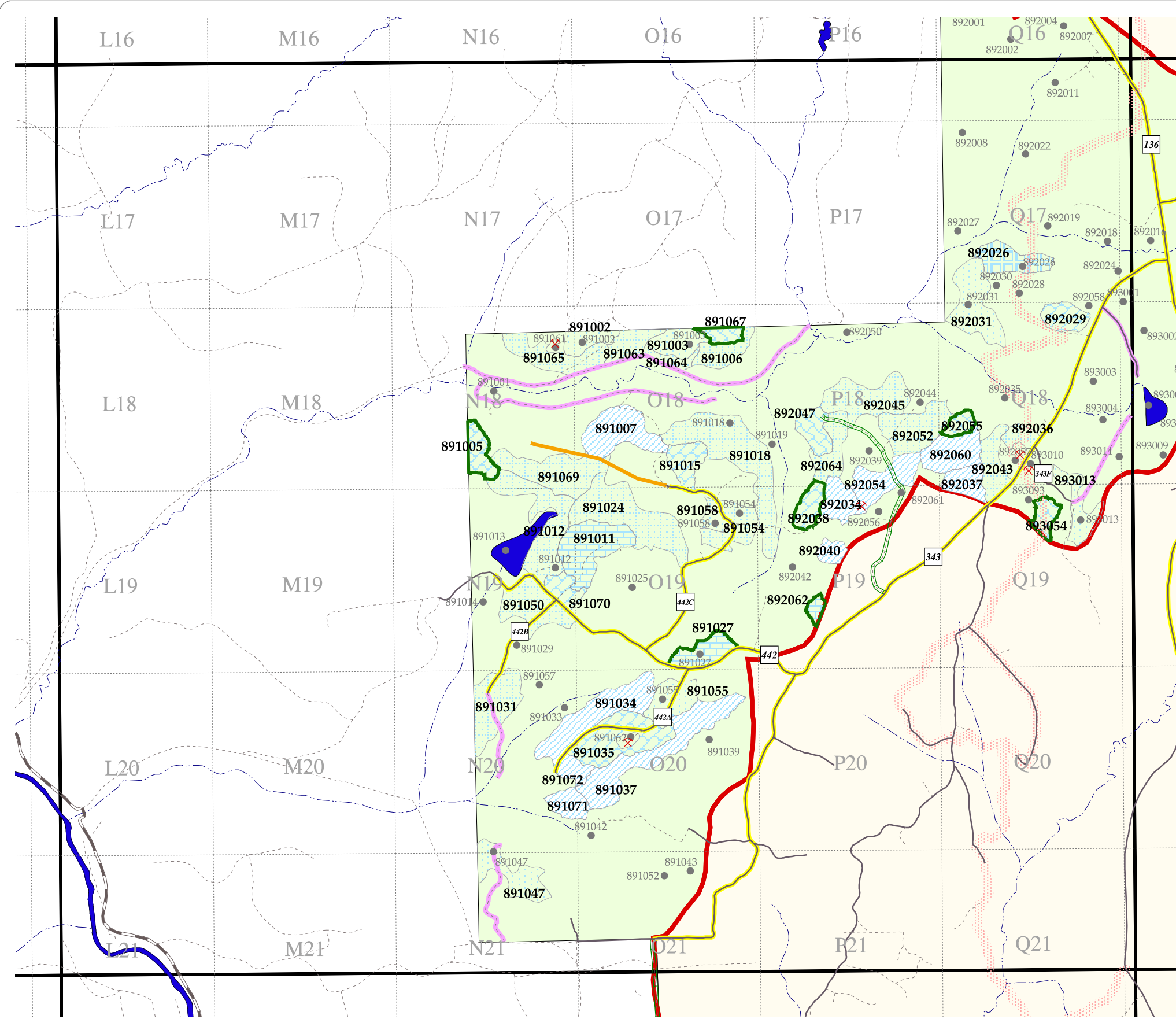
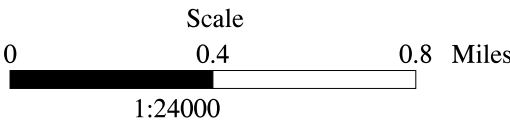
Marienville Ranger District
Allegheny National Forest

Map Sheet: M Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

- | | |
|--------------------------------|--|
| Municipal Road | Silviculture Proposed Action |
| Forest Road | Salvage Thinning |
| OGM, Private Road | Two Age |
| Municipal/State Road Number | Overstory Removal |
| Forest Road Number | Shelterwood Seed/Overstory Removal |
| Trails | Salvage Shelterwood Seed/Overstory Removal |
| Stone Pits | Uneven-Aged Management |
| Stream | Salvage Windthrow |
| Waterbody | Reforestation Planting |
| Project Area | Crop Tree Release |
| Non-Forest Service | Non-Commercial Improvement/TSI |
| Grid | Proposed Area Fencing |
| Mapsheet | 702021 Stand Number-Silviculture Proposal |
| Transportation Proposed Action | 702021 Stand Number-Wildlife Proposal |
| Potential for Decommission | Recreation Proposed Action |
| Improvement | Scenic enhancement |
| New Construction | Improve Dispersed Campsite |
| Road Maintenance | New Dispersed Campsite |
| Wildlife Proposed Action | ATV Campsite |

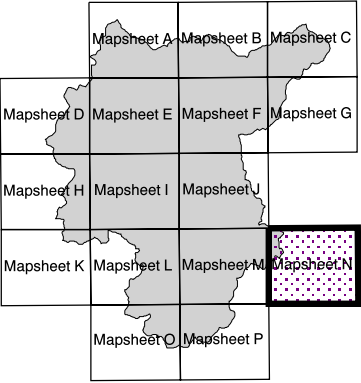


Spring Creek Project

Scoping: Proposed Action

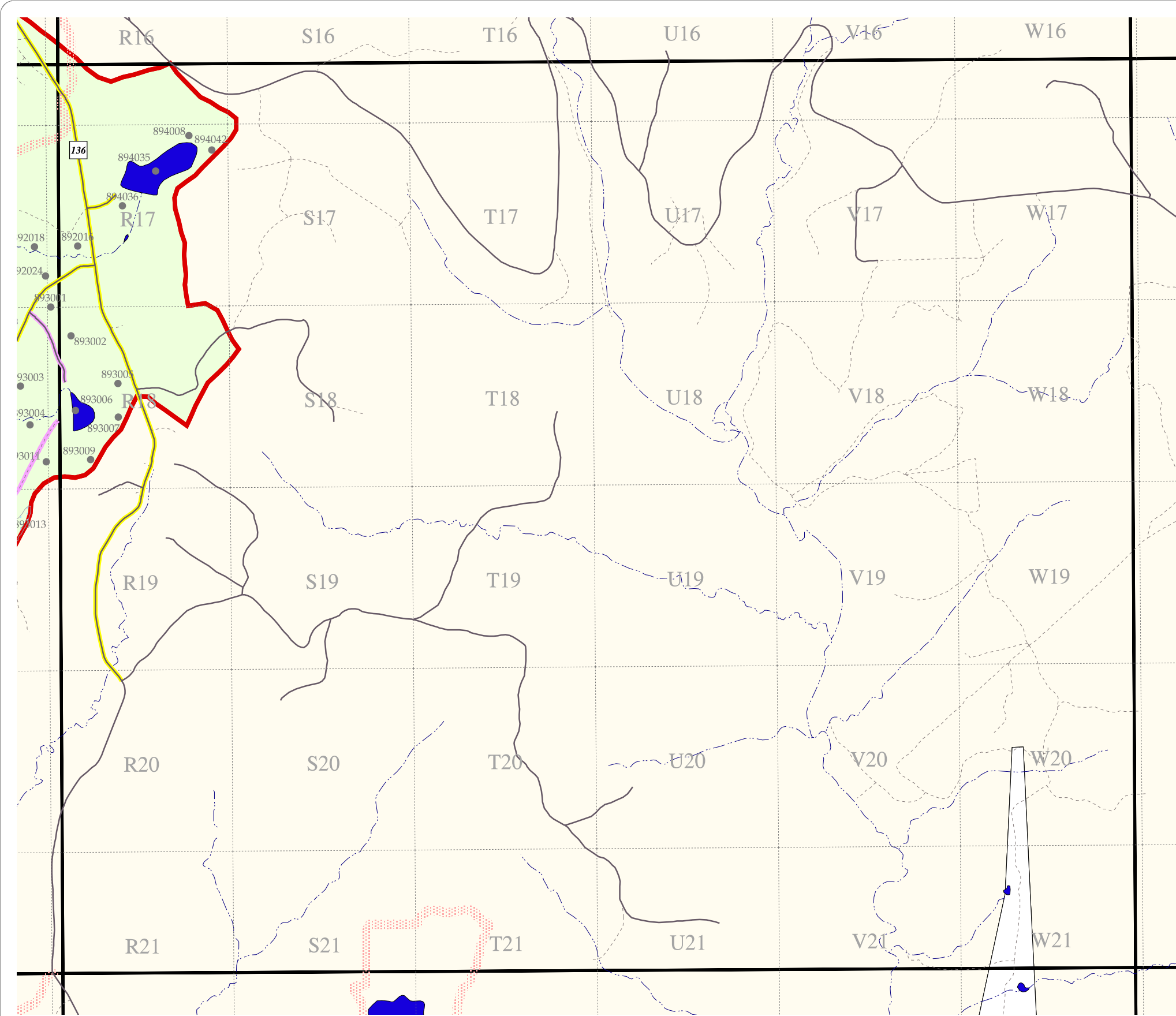
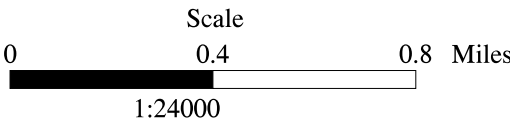
Marienville Ranger District
Allegheny National Forest

Map Sheet: N Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

- | | |
|--------------------------------|--|
| Municipal Road | Silviculture Proposed Action |
| Forest Road | Salvage Thinning |
| OGM, Private Road | Two Age |
| Municipal/State Road Number | Overstory Removal |
| Forest Road Number | Shelterwood Seed/Overstory Removal |
| Trails | Salvage Shelterwood Seed/Overstory Removal |
| Stone Pits | Uneven-Aged Management |
| Stream | Salvage Windthrow |
| Waterbody | Reforestation Planting |
| Project Area | Crop Tree Release |
| Non-Forest Service | Non-Commercial Improvement/TSI |
| Grid | Proposed Area Fencing |
| Mapsheet | 702021 Stand Number-Silviculture Proposal |
| Transportation Proposed Action | 702021 Stand Number-Wildlife Proposal |
| Improvement | Recreation Proposed Action |
| New Construction | Improve Dispersed Campsite |
| Road Maintenance | New Dispersed Campsite |
| Wildlife Proposed Action | ATV Campsite |

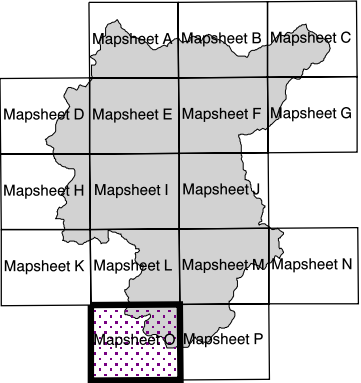


Spring Creek Project

Scoping: Proposed Action

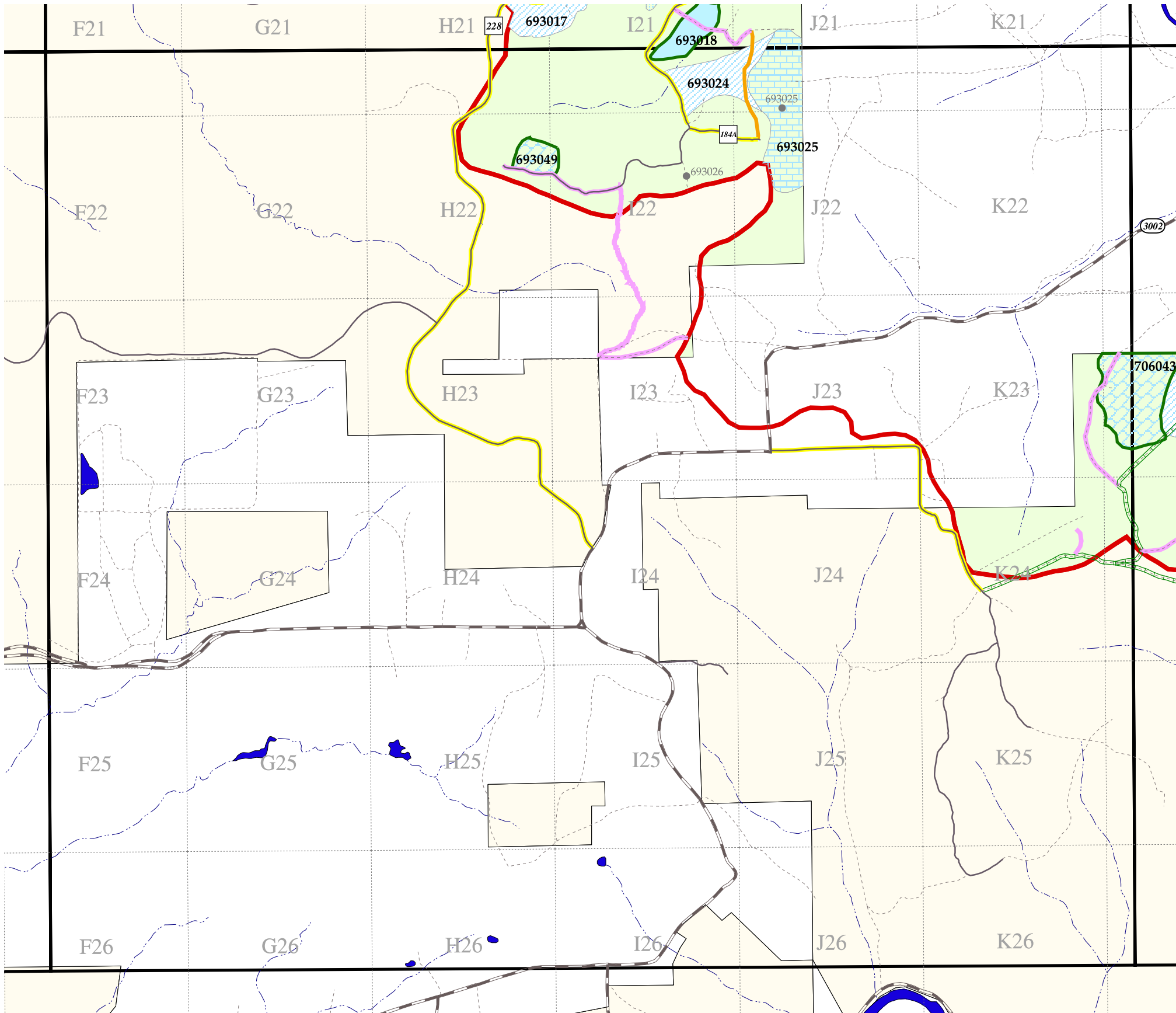
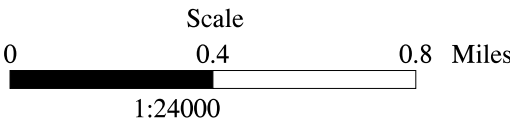
Marienville Ranger District
Allegheny National Forest

Map Sheet: O Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

- | | | | | | | | | | | | | |
|--|-------------|-------------------|-----------------------------|--------------------|--------|------------|--------|-----------|--------------|--------------------|------|----------|
| Municipal Road | Forest Road | OGM, Private Road | Municipal/State Road Number | Forest Road Number | Trails | Stone Pits | Stream | Waterbody | Project Area | Non-Forest Service | Grid | Mapsheet |
| Silviculture Proposed Action | | | | | | | | | | | | |
| Thinning | | | | | | | | | | | | |
| Salvage Thinning | | | | | | | | | | | | |
| Two Age | | | | | | | | | | | | |
| Overstory Removal | | | | | | | | | | | | |
| Shelterwood Seed/Overstory Removal | | | | | | | | | | | | |
| Salvage Shelterwood Seed/Overstory Removal | | | | | | | | | | | | |
| Uneven-Aged Management | | | | | | | | | | | | |
| Salvage Windthrow | | | | | | | | | | | | |
| Reforestation Planting | | | | | | | | | | | | |
| Crop Tree Release | | | | | | | | | | | | |
| Non-Commercial Improvement/TSI | | | | | | | | | | | | |
| Proposed Area Fencing | | | | | | | | | | | | |
| 702021 Stand Number-Silviculture Proposal | | | | | | | | | | | | |
| 702021 Stand Number-Wildlife Proposal | | | | | | | | | | | | |
| Transportation Proposed Action | | | | | | | | | | | | |
| Potential for Decommission | | | | | | | | | | | | |
| Improvement | | | | | | | | | | | | |
| New Construction | | | | | | | | | | | | |
| Road Maintenance | | | | | | | | | | | | |
| Wildlife Proposed Action | | | | | | | | | | | | |
| Scenic enhancement | | | | | | | | | | | | |
| Improve Dispersed Campsite | | | | | | | | | | | | |
| New Dispersed Campsite | | | | | | | | | | | | |
| ATV Campsite | | | | | | | | | | | | |

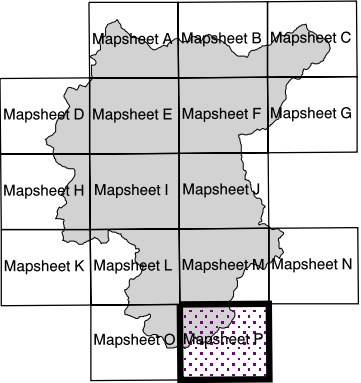


Spring Creek Project

Scoping: Proposed Action

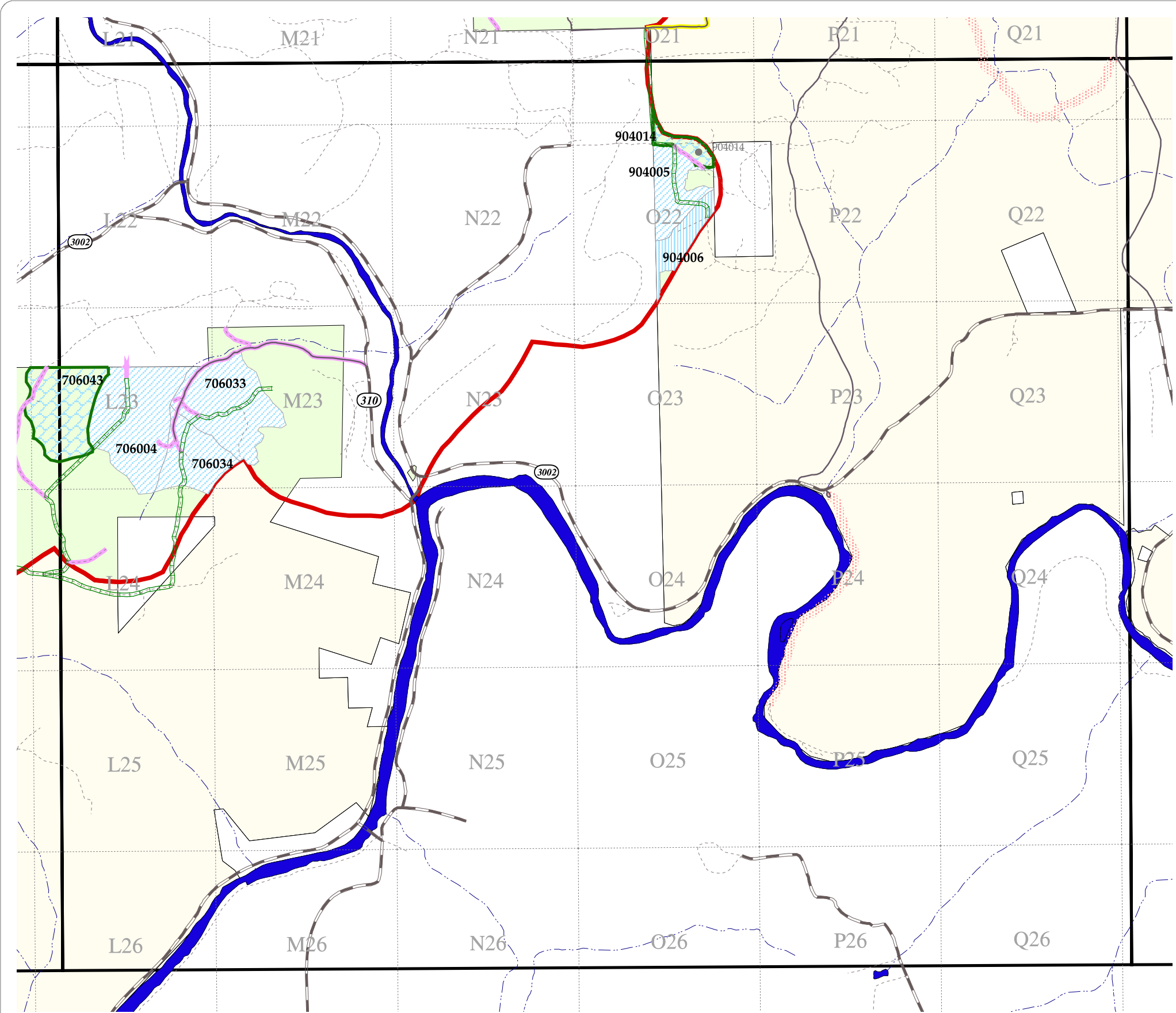
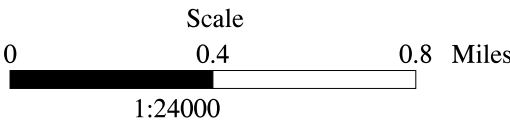
Marienville Ranger District
Allegheny National Forest

Map Sheet: P Silviculture, Wildlife, Transportation, & Recreation Campsites



Legend

- | | |
|--------------------|-----------------------------|
| Municipal Road | Forest Road |
| OGM, Private Road | Municipal/State Road Number |
| Forest Road Number | Trails |
| Stone Pits | Stream |
| Waterbody | Project Area |
| Non-Forest Service | Grid |
| Mapsheet | |
- Silviculture Proposed Action**
- | |
|--|
| Thinning |
| Salvage Thinning |
| Two Age |
| Overstory Removal |
| Shelterwood Seed/Overstory Removal |
| Salvage Shelterwood Seed/Overstory Removal |
| Uneven-Aged Management |
| Salvage Windthrow |
| Reforestation Planting |
| Crop Tree Release |
| Non-Commercial Improvement/TSI |
| Proposed Area Fencing |
- 702021** Stand Number-Silviculture Proposal
702021 Stand Number-Wildlife Proposal
- Transportation Proposed Action**
- | |
|----------------------------|
| Potential for Decommission |
| Improvement |
| New Construction |
| Road Maintenance |
- Wildlife Proposed Action**
- | |
|----------------------------|
| Scenic enhancement |
| Improve Dispersed Campsite |
| New Dispersed Campsite |
| ATV Campsite |



							Acres of Other Proposed Treatments					
Map Label	Compartment	Stand	Acres	MA	1st Entry	2nd Entry	Herbicide	Site Prep	Fertilize	Fence	Tree Shelters	Planting
672056	672	56	5	3.0	Thinning		0	0	0	0	0	0
673012	673	12	87	3.0	Two-Age	Two-Age Removal	30	0	0	0	15	15
673015	673	15	24	3.0	Thinning		0	0	0	0	0	0
673019	673	19	24	3.0	Thinning		0	0	0	0	0	0
673042	673	42	15	3.0	Salvage		0	0	0	0	0	0
673060	673	60	8	3.0	Thinning		0	0	0	0	0	0
673064	673	64	11	3.0	Thinning		0	0	0	0	0	0
673074	673	74	23	3.0	Thinning		0	0	0	0	0	0
673095	673	95	10	1.0	Shelterwood Seed	Overstory Removal	9	0	0	9	0	0
673097	673	97	6	1.0	Shelterwood Seed	Overstory Removal	7	0	0	7	0	0
673101	673	101	8	1.0	Shelterwood Seed	Overstory Removal	10	0	0	10	0	0
673102	673	102	8	1.0	Shelterwood Seed	Overstory Removal	7	0	0	7	0	0
673103	673	103	5	1.0	Shelterwood Seed	Overstory Removal	7	0	0	7	0	0
673104	673	104	6	1.0	Shelterwood Seed	Overstory Removal	10	0	0	10	0	0
680004	680	4	16	6.1	Thinning		0	0	0	0	0	0
680011	680	11	25	6.1	Thinning		0	0	0	0	0	0
681006	681	6	27	3.0	Release		0	0	0	0	4	4
681009	681	9	9	3.0	Shelterwood Seed	Overstory Removal	9	0	9	0	0	0
681014	681	14	22	6.1	Two-Age	Two-Age Removal	22	0	0	22	0	0
681046	681	46	20	6.1	Two-Age	Two-Age Removal	18	18	0	18	0	0
682001	682	1	16	6.1	Thinning		0	0	0	0	0	0
682005	682	5	24	6.1	Thinning		0	0	0	0	0	0
682012	682	12	1	3.0	Thinning		0	0	0	0	0	0
682014	682	14	14	6.1	Release		0	0	0	0	15	15
682019	682	19	15	3.0	Thinning		0	0	0	0	0	0
682021	682	21	18	3.0	Thinning		0	0	0	0	0	0
682035	682	35	3	6.1	Thinning		0	0	0	0	0	0
682036	682	36	9	6.1	Thinning		0	0	0	0	0	0
682037	682	37	24	6.1	Strip Regeneration		24	10	0	0	0	10
682039	682	39	23	6.1	Strip Regeneration		23	10	0	0	0	10
682043	682	43	13	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	12	12	0	12	0	5
683001	683	1	21	3.0	Thinning		0	0	0	0	0	0
683018	683	18	21	3.0	Thinning		0	0	0	0	0	0
683033	683	33	9	3.0	Shelterwood Seed	Overstory Removal	10	10	0	10	0	0
683052	683	52	12	3.0	Thinning		0	0	0	0	0	0
683060	683	60	6	3.0	Shelterwood Seed	Overstory Removal	7	7	0	7	0	0
683067	683	67	25	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	25	25	0	25	0	0
683069	683	69	19	3.0	Thinning		0	0	0	0	0	0
693001	693	1	62	3.0	Thinning		0	0	0	0	0	0
693002	693	2	24	3.0	Thinning		0	0	0	0	0	0
693003	693	3	32	3.0	Thinning		0	0	0	0	0	0
693014	693	14	36	3.0	Thinning		0	0	0	0	0	0
693017	693	17	22	3.0	Thinning		0	0	0	0	0	0
693018	693	18	14	3.0	Selection		15	0	0	15	0	0

							Acres of Other Proposed Treatments					
Map Label	Compartment	Stand	Acres	MA	1st Entry	2nd Entry	Herbicide	Site Prep	Fertilize	Fence	Tree Shelters	Planting
693024	693	24	27	3.0	Thinning		0	0	0	0	0	0
693025	693	25	46	3.0	Overstory Removal		38	0	0	0	0	0
693039	693	39	10	3.0	Release		0	0	0	0	0	0
693041	693	41	36	3.0	Release		0	0	0	0	0	0
693045	693	45	11	3.0	Release		0	0	0	0	0	0
693048	693	48	31	3.0	Shelterwood Seed	Overstory Removal	40	40	0	40	0	0
693049	693	49	9	3.0	Shelterwood Seed	Overstory Removal	10	10	0	10	0	0
695013	695	13	17	3.0	Shelterwood Seed	Overstory Removal	16	16	0	16	0	0
695025	695	25	42	3.0	Shelterwood Seed	Overstory Removal	40	40	0	40	0	0
695027	695	27	22	3.0	Release		0	0	0	0	0	0
695030	695	30	17	3.0	Release		0	0	0	0	0	0
695058	695	58	23	3.0	Shelterwood Seed	Overstory Removal	18	0	0	18	0	0
695060	695	60	19	3.0	Shelterwood Seed	Overstory Removal	20	0	20	20	0	0
696017	696	17	20	3.0	Shelterwood Seed	Overstory Removal	20	20	0	0	0	0
696022	696	22	35	3.0	Shelterwood Seed	Overstory Removal	35	35	0	0	0	0
696027	696	27	18	3.0	Salvage Thinning		0	15	0	0	15	15
696042	696	42	7	3.0	Shelterwood Seed	Overstory Removal	7	7	0	7	0	0
696054	696	54	11	3.0	Shelterwood Seed	Overstory Removal	10	0	0	10	0	0
696055	696	55	6	3.0	Shelterwood Seed	Overstory Removal	10	0	0	10	0	0
696056	696	56	12	3.0	Shelterwood Seed	Overstory Removal	15	0	15	15	0	0
696057	696	57	16	3.0	Shelterwood Seed	Overstory Removal	15	15	15	15	0	0
697001	697	1	20	3.0	Shelterwood Seed	Overstory Removal	19	12	0	0	0	0
697005	697	5	34	3.0	Thinning		0	0	0	0	0	0
697016	697	16	21	3.0	Thinning		0	0	0	0	0	0
697017	697	17	34	3.0	Thinning		0	0	0	0	0	0
697018	697	18	15	3.0	Thinning		0	0	0	0	0	0
697023	697	23	19	3.0	Thinning		0	0	0	0	0	0
697027	697	27	13	3.0	Salvage Thinning		0	0	0	0	0	0
697028	697	28	24	3.0	Thinning		0	0	0	0	0	0
697030	697	30	35	3.0	Overstory Removal		0	35	0	0	0	16
697032	697	32	10	3.0	Shelterwood Seed	Overstory Removal	9	9	0	9	0	0
697041	697	41	8	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	9	9	0	9	0	5
697042	697	42	18	3.0	Shelterwood Seed	Overstory Removal	18	10	18	0	0	0
697055	697	55	19	3.0	Shelterwood Seed	Overstory Removal	18	10	0	18	0	0
697059	697	59	11	3.0	Shelterwood Seed	Overstory Removal	9	5	0	0	0	0
697065	697	65	12	3.0	Shelterwood Seed	Overstory Removal	22	22	0	0	0	5
697066	697	66	4	3.0	Two-Age	Two-Age Removal	5	5	0	0	5	0
697068	697	68	17	3.0		Overstory Removal	19	10	0	0	0	0
698002	698	2	28	3.0	Salvage Thinning		0	0	0	0	0	0
698005	698	5	3	3.0	Thinning		0	0	0	0	0	0
698006	698	6	8	3.0	Improvement		0	0	0	0	0	0
698009	698	9	22	3.0		Salvage Overstory Removal	22	7	0	22	3	3
698012	698	12	10	3.0	Salvage Thinning		0	0	0	0	0	0
698014	698	14	12	3.0	Salvage Thinning		0	0	0	0	0	0

							Acres of Other Proposed Treatments					
Map Label	Compartment	Stand	Acres	MA	1st Entry	2nd Entry	Herbicide	Site Prep	Fertilize	Fence	Tree Shelters	Planting
698017	698	17	11	3.0	Thinning		0	0	0	0	0	0
698020	698	20	37	3.0	Overstory Removal		0	38	0	0	2	2
698023	698	23	16	3.0	Thinning		0	0	0	0	0	0
698027	698	27	7	3.0	Thinning		0	0	0	0	0	0
698028	698	28	15	3.0	Thinning		0	0	0	0	0	0
698031	698	31	20	3.0	Salvage Thinning		0	0	0	0	0	0
698040	698	40	10	3.0	Salvage Thinning		0	0	0	0	0	0
698041	698	41	10	3.0	Improvement		0	0	0	0	0	0
698042	698	42	5	3.0	Release		0	0	0	0	0	0
698043	698	43	18	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	14	18	0	0	3	3
698056	698	56	5	3.0	Shelterwood Seed	Overstory Removal	5	5	0	0	0	0
698059	698	59	2	3.0	Thinning		0	0	0	0	0	0
698062	698	62	17	3.0	Shelterwood Seed	Overstory Removal	20	20	0	20	0	0
698063	698	63	17	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	12	17	0	17	3	3
698064	698	64	7	3.0	Shelterwood Seed	Overstory Removal	8	8	0	0	0	0
699003	699	3	16	3.0	Thinning		0	0	0	0	0	0
699010	699	10	6	3.0	Thinning		0	0	0	0	0	0
699018	699	18	16	3.0	Release		0	0	0	0	0	0
699019	699	19	5	3.0	Shelterwood Seed	Overstory Removal	5	5	0	5	1	1
699021	699	21	7	3.0	Shelterwood Seed	Overstory Removal	8	8	0	8	1	1
699028	699	28	19	3.0	Shelterwood Seed	Overstory Removal	19	19	0	19	10	19
699030	699	30	23	3.0	Release		0	0	0	0	0	0
699031	699	31	31	3.0	Salvage Two-Age	Salvage Two-Age Removal	31	31	0	31	3	3
699035	699	35	27	3.0	Shelterwood Seed	Overstory Removal	6	6	0	6	0	0
699036	699	36	14	3.0	Release		0	0	0	0	0	0
699050	699	50	6	3.0		Salvage Overstory Removal	5	5	0	5	0	0
699051	699	51	15	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	15	15	0	15	0	0
699052	699	52	2	3.0	Shelterwood Seed	Overstory Removal	29	29	0	35	29	3
699555	699	555	3	3.0	Thinning		0	0	0	0	0	0
700123	700	123	33	3.0	Salvage		0	0	0	0	0	0
701019	701	19	92	3.0	Salvage		0	0	0	0	0	0
702005	702	5	33	3.0	Improvement		0	0	0	0	0	0
702011	702	11	18	3.0	Shelterwood Seed	Overstory Removal	18	18	0	18	0	0
702012	702	12	15	3.0	Thinning		0	0	0	0	0	0
702013	702	13	17	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	17	17	0	17	0	0
702014	702	14	30	3.0	Shelterwood Seed	Overstory Removal	30	30	0	30	0	0
702018	702	18	10	3.0	Shelterwood Seed	Overstory Removal	10	10	0	10	0	0
702024	702	24	37	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	37	37	0	37	0	0
702025	702	25	18	3.0	Release		0	0	0	0	0	0

							Acres of Other Proposed Treatments					
Map Label	Compartment	Stand	Acres	MA	1st Entry	2nd Entry	Herbicide	Site Prep	Fertilize	Fence	Tree Shelters	Planting
702034	702	34	5	3.0	Release		0	0	0	0	0	0
702035	702	35	11	3.0	Thinning		0	0	0	0	0	0
702040	702	40	21	3.0	Release		0	0	0	0	21	21
702055	702	55	25	3.0	Thinning		0	0	0	0	0	0
702072	702	72	5	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	6	0	0	6	0	0
702075	702	75	6	3.0	Release		2	0	0	0	0	0
702078	702	78	5	3.0	Release		0	0	0	0	0	0
702079	702	79	13	3.0	Thinning		0	0	0	0	0	0
702084	702	84	9	3.0	Thinning		0	0	0	0	0	0
702088	702	88	3	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	3	0	0	3	0	0
702666	702	666	17	3.0	Shelterwood Seed	Overstory Removal	32	32	0	32	0	0
703001	703	1	14	3.0	Thinning		0	0	0	0	0	0
703002	703	2	39	3.0	Thinning		0	0	0	0	0	0
703003	703	3	6	3.0	Thinning		0	0	0	0	0	0
703006	703	6	14	3.0	Salvage Thinning		0	0	0	0	0	0
703012	703	12	27	3.0	Thinning		0	0	0	0	0	0
703017	703	17	14	3.0	Thinning		0	0	0	0	0	0
703019	703	19	24	3.0	Thinning		0	0	0	0	0	0
703022	703	22	31	3.0	Shelterwood Seed	Overstory Removal	31	31	0	0	0	0
703023	703	23	6	3.0	Thinning		0	0	0	0	0	0
703024	703	24	33	3.0	Selection		34	34	0	0	0	0
703027	703	27	5	3.0	Thinning		0	0	0	0	0	0
703030	703	30	28	3.0	Thinning		0	0	0	0	0	0
703032	703	32	55	3.0	Thinning		0	0	0	0	0	0
703035	703	35	82	3.0	Thinning		0	0	0	0	0	0
703039	703	39	25	3.0	Salvage		0	0	0	0	0	0
703041	703	41	9	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	9	9	0	0	0	0
703042	703	42	20	3.0	Shelterwood Seed	Overstory Removal	18	18	0	18	0	0
703049	703	49	16	3.0	Salvage		0	0	0	0	0	0
703057	703	57	5	3.0	Shelterwood Seed	Overstory Removal	10	10	0	0	0	0
706004	706	4	62	3.0	Thinning		0	0	0	0	0	0
706033	706	33	53	3.0	Thinning		0	0	0	0	0	0
706034	706	34	29	3.0	Thinning		0	0	0	0	0	0
706043	706	43	43	3.0	Shelterwood Seed	Overstory Removal	40	40	0	40	0	0
707003	707	3	10	3.0	Thinning		0	0	0	0	0	0
707006	707	6	31	3.0	Salvage Thinning		0	0	0	0	0	0
707007	707	7	13	3.0	Salvage Thinning		0	0	0	0	0	0
707009	707	9	8	3.0	Salvage Thinning		0	0	0	0	0	0
707011	707	11	22	3.0	Thinning		0	0	0	0	0	0
707013	707	13	9	3.0	Salvage Thinning		0	0	0	0	0	0
707014	707	14	18	3.0	Shelterwood Seed	Overstory Removal	11	7	0	0	0	2
707015	707	15	15	3.0	Shelterwood Seed	Overstory Removal	10	10	0	15	0	0
707016	707	16	10	3.0		Overstory Removal	10	0	0	0	0	0

							Acres of Other Proposed Treatments					
Map Label	Compartment	Stand	Acres	MA	1st Entry	2nd Entry	Herbicide	Site Prep	Fertilize	Fence	Tree Shelters	Planting
707017	707	17	13	3.0	Thinning		0	0	0	0	0	0
707019	707	19	20	3.0	Release		22	0	0	0	22	22
707025	707	25	19	3.0	Shelterwood Seed	Overstory Removal	18	18	0	18	0	0
707028	707	28	4	3.0	Thinning		0	0	0	0	0	0
707032	707	32	18	3.0	Shelterwood Seed	Overstory Removal	18	10	0	0	0	0
707036	707	36	33	3.0	Thinning		0	0	0	0	0	0
707039	707	39	7	3.0	Thinning		0	0	0	0	0	0
707040	707	40	19	3.0	Thinning		0	0	0	0	0	0
707044	707	44	35	3.0	Overstory Removal		0	0	0	0	0	0
707046	707	46	5	3.0	Shelterwood Seed	Overstory Removal	5	0	0	0	0	0
708001	708	1	10	3.0	Thinning		0	0	0	0	0	0
708008	708	8	12	3.0	Thinning		0	0	0	0	0	0
708010	708	10	15	3.0	Thinning		0	0	0	0	0	0
708023	708	23	31	3.0	Release		0	0	0	0	15	15
708027	708	27	21	3.0	Shelterwood Seed	Overstory Removal	0	21	0	21	2	2
708028	708	28	13	3.0	Thinning		0	0	0	0	0	0
708033	708	33	5	3.0	Thinning		0	0	0	0	0	0
708037	708	37	15	3.0	Shelterwood Seed	Overstory Removal	15	15	0	15	2	2
708038	708	38	25	3.0	Salvage Thinning		0	0	0	0	0	0
708040	708	40	6	3.0	Salvage Thinning		0	0	0	0	0	0
709001	709	1	11	3.0	Two-Age	Two-Age Removal	11	11	0	11	2	2
709003	709	3	33	3.0	Shelterwood Seed	Overstory Removal	33	33	0	33	2	2
709010	709	10	21	3.0	Release		0	0	0	0	0	0
709011	709	11	12	3.0	Salvage Thinning		0	0	0	0	0	0
709012	709	12	8	3.0	Thinning		0	0	0	0	0	0
709015	709	15	13	3.0	Salvage Thinning		0	0	0	0	0	0
709017	709	17	9	3.0	Thinning		0	0	0	0	0	0
709026	709	26	15	3.0	Shelterwood Seed	Overstory Removal	15	15	0	15	7	7
709028	709	28	23	3.0	Shelterwood Seed	Overstory Removal	23	23	0	23	2	2
709029	709	29	12	3.0	Overstory Removal		0	12	0	12	2	2
709031	709	31	25	3.0	Salvage Thinning		0	0	0	0	0	0
709032	709	32	14	3.0	Salvage Thinning		0	0	0	0	0	0
709036	709	36	27	3.0	Salvage Thinning		0	0	0	0	0	0
709037	709	37	13	3.0	Salvage Thinning		0	0	0	0	0	0
709038	709	38	9	3.0	Shelterwood Seed	Overstory Removal	21	21	0	21	3	3
709039	709	39	12	3.0	Shelterwood Seed	Overstory Removal	21	21	0	21	3	3
709099	709	99	4	3.0	Overstory Removal		0	4	0	4	1	1
710001	710	1	8	3.0	Shelterwood Seed	Overstory Removal	13	13	0	13	2	2
710011	710	11	29	3.0	Release		0	0	32	0	0	32
710016	710	16	16	3.0	Release		0	0	0	0	0	0
710020	710	20	13	3.0	Release		15	0	0	0	15	15
710023	710	23	16	3.0	Release		0	0	0	0	0	0
711001	711	1	45	3.0	Release		0	0	0	0	0	0
711006	711	6	17	3.0	Release		0	0	0	0	0	0
711017	711	17	18	3.0	Thinning		0	0	0	0	0	0
711031	711	31	7	3.0	Shelterwood Seed	Overstory Removal	7	0	0	7	0	0

							Acres of Other Proposed Treatments					
Map Label	Compartment	Stand	Acres	MA	1st Entry	2nd Entry	Herbicide	Site Prep	Fertilize	Fence	Tree Shelters	Planting
711035	711	35	23	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	23	23	0	0	0	10
711036	711	36	17	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	17	17	0	0	0	10
711039	711	39	20	3.0	Release		0	0	0	0	0	0
711048	711	48	17	3.0	Salvage		0	0	0	0	0	0
711050	711	50	16	3.0	Shelterwood Seed	Overstory Removal	18	0	0	18	0	0
711051	711	51	24	3.0	Shelterwood Seed	Overstory Removal	20	0	0	20	0	0
711052	711	52	24	3.0	Shelterwood Seed	Overstory Removal	20	0	0	20	0	0
713002	713	2	43	3.0	Overstory Removal		0	0	40	40	0	5
713004	713	4	46	3.0	Thinning		0	0	0	0	0	0
713031	713	31	17	3.0	Release		0	0	0	0	0	0
713037	713	37	2	3.0	Release		0	0	0	0	0	0
713041	713	41	14	3.0	Release		0	0	0	0	0	0
846043	846	43	4	3.0	Shelterwood Seed	Overstory Removal	15	15	0	15	2	2
847018	847	18	8	3.0	Salvage Thinning		0	0	0	0	0	0
847032	847	32	28	3.0	Shelterwood Seed	Overstory Removal	30	30	0	30	2	2
847040	847	40	8	3.0	Release		0	0	0	0	0	0
848025	848	25	5	3.0	Shelterwood Seed	Overstory Removal	11	11	0	11	2	2
849001	849	1	13	3.0	Salvage Thinning		0	0	0	0	0	0
850032	850	32	16	3.0	Release		0	0	0	0	0	0
850035	850	35	19	3.0	Release		0	0	0	0	0	0
850038	850	38	27	3.0	Selection		30	30	0	30	0	0
850040	850	40	11	3.0	Selection		11	11	0	11	0	0
850043	850	43	11	3.0	Salvage Thinning		0	0	0	0	0	0
850045	850	45	15	3.0	Selection		15	15	0	15	0	0
850049	850	49	24	3.0	Selection		19	19	0	19	0	0
850052	850	52	5	3.0	Thinning		0	0	0	0	0	0
850059	850	59	16	3.0	Salvage Thinning		0	0	0	0	0	0
850060	850	60	7	3.0	Salvage Thinning		0	0	0	0	0	0
850061	850	61	14	3.0	Shelterwood Seed	Overstory Removal	17	17	0	17	2	2
850072	850	72	8	3.0	Selection		8	8	0	8	0	0
858004	858	4	10	3.0	Release		0	0	0	0	0	0
858014	858	14	2	3.0	Shelterwood Seed	Overstory Removal	2	2	0	2	1	1
858017	858	17	17	3.0	Shelterwood Seed	Overstory Removal	15	15	0	15	2	2
858019	858	19	10	3.0	Salvage Thinning		0	0	0	0	0	0
858028	858	28	15	3.0	Shelterwood Seed	Overstory Removal	15	15	0	15	2	2
858029	858	29	13	3.0	Salvage Thinning		0	0	0	0	0	0
858033	858	33	9	3.0	Shelterwood Seed	Overstory Removal	12	12	0	12	2	2
858038	858	38	8	3.0		Overstory Removal	7	7	0	0	2	2
858040	858	40	18	3.0	Selection		18	18	0	18	0	0
859001	859	1	11	3.0	Release		0	0	0	0	0	0
859008	859	8	14	3.0	Salvage Thinning		0	0	0	0	0	0
859010	859	10	11	3.0	Salvage Thinning		0	0	0	0	0	0
859013	859	13	23	3.0	Salvage Thinning		0	0	0	0	0	0
859015	859	15	18	3.0	Salvage Thinning		0	0	0	0	0	0

							Acres of Other Proposed Treatments					
Map Label	Compartment	Stand	Acres	MA	1st Entry	2nd Entry	Herbicide	Site Prep	Fertilize	Fence	Tree Shelters	Planting
859017	859	17	6	3.0		Overstory Removal	6	0	0	6	1	1
859033	859	33	28	3.0	Shelterwood Seed	Overstory Removal	26	0	0	26	2	2
860002	860	2	12	3.0	Release		0	0	0	0	0	0
860018	860	18	11	3.0	Shelterwood Seed	Overstory Removal	10	10	0	10	2	2
860023	860	23	8	3.0	Salvage Thinning		0	0	0	0	0	0
861012	861	12	17	3.0	Release		0	0	0	0	0	0
861029	861	29	26	3.0	Release		0	0	0	0	0	0
861035	861	35	9	3.0	Release		0	0	0	0	0	0
861043	861	43	21	3.0	Release		0	0	0	0	0	0
861044	861	44	30	3.0	Shelterwood Seed	Overstory Removal	27	27	0	27	2	2
861046	861	46	19	3.0	Shelterwood Seed	Overstory Removal	19	19	0	19	2	2
861047	861	47	7	3.0	Salvage Thinning		0	0	0	0	0	0
862005	862	5	12	3.0	Release		0	0	0	0	0	0
862021	862	21	17	3.0	Overstory Removal		0	18	0	0	2	2
863006	863	6	17	3.0	Release		0	0	0	0	0	0
863029	863	29	10	3.0	Overstory Removal		0	9	0	9	1	1
863030	863	30	50	3.0	Overstory Removal		0	30	0	30	3	3
863041	863	41	5	3.0	Salvage Thinning		0	0	0	0	0	0
863056	863	56	22	3.0	Salvage Thinning		0	0	0	0	0	0
863078	863	78	9	3.0	Release		0	0	0	0	0	0
863080	863	80	7	3.0	Salvage Thinning		0	0	0	0	0	0
875008	875	8	10	3.0	Overstory Removal		10	10	0	10	2	2
875009	875	9	29	3.0	Shelterwood Seed	Overstory Removal	0	6	0	6	3	3
875023	875	23	21	3.0	Shelterwood Seed	Overstory Removal	18	18	0	18	2	2
875029	875	29	4	3.0	Two-Age	Two-Age Removal	0	5	0	5	1	1
876001	876	1	20	3.0	Release		0	0	0	0	0	0
876002	876	2	29	3.0	Release		0	0	0	0	0	0
876003	876	3	16	3.0	Release		0	0	0	0	0	0
876004	876	4	8	3.0	Release		0	0	0	0	0	0
876005	876	5	14	3.0	Release		0	0	0	0	0	0
876008	876	8	3	3.0	Shelterwood Seed	Overstory Removal	3	3	0	3	0	0
876009	876	9	23	3.0	Two-Age	Two-Age Removal	0	25	0	25	2	2
876013	876	13	9	3.0	Release		0	0	0	0	0	0
876014	876	14	3	3.0	Release		0	0	0	0	0	0
876015	876	15	20	3.0	Release		0	0	0	0	0	0
876016	876	16	14	3.0	Release		0	0	0	0	0	0
876034	876	34	22	3.0	Release		0	0	0	0	0	0
877002	877	2	16	3.0	Shelterwood Seed	Overstory Removal	24	24	0	24	2	2
877006	877	6	13	3.0	Shelterwood Seed	Overstory Removal	12	12	0	12	1	1
877007	877	7	29	3.0	Release		0	0	0	0	0	0
877011	877	11	15	3.0	Release		0	0	0	0	0	0
877015	877	15	43	3.0	Release		0	0	0	0	0	0
877016	877	16	21	3.0	Shelterwood Seed	Overstory Removal	31	31	0	31	3	3
877035	877	35	24	3.0	Shelterwood Seed	Overstory Removal	27	27	0	27	2	2
877052	877	52	20	3.0	Release		0	0	0	0	0	0
877053	877	53	13	3.0	Release		0	0	0	0	0	0

							Acres of Other Proposed Treatments					
Map Label	Compartment	Stand	Acres	MA	1st Entry	2nd Entry	Herbicide	Site Prep	Fertilize	Fence	Tree Shelters	Planting
879007	879	7	11	3.0	Shelterwood Seed	Overstory Removal	13	13	0	13	2	2
879018	879	18	6	3.0	Salvage Thinning		0	0	0	0	0	0
879021	879	21	19	3.0	Shelterwood Seed	Overstory Removal	16	16	0	16	2	2
891002	891	2	7	3.0	Release		0	0	0	0	5	2
891003	891	3	9	3.0	Release		0	0	0	0	9	3
891005	891	5	8	3.0	Shelterwood Seed	Overstory Removal	8	8	0	8	0	0
891006	891	6	9	3.0	Salvage		0	0	0	0	0	0
891007	891	7	20	3.0	Thinning		0	0	0	0	0	0
891011	891	11	23	3.0	Overstory Removal		0	0	0	0	2	2
891012	891	12	27	3.0	Salvage		0	0	0	0	0	0
891015	891	15	9	3.0	Shelterwood Seed	Overstory Removal	9	9	0	0	0	0
891018	891	18	38	3.0	Salvage		0	0	0	0	0	0
891024	891	24	33	3.0	Salvage		0	0	0	0	0	0
891027	891	27	11	3.0		Overstory Removal	11	0	11	11	0	0
891031	891	31	20	3.0	Salvage		0	0	0	0	0	0
891034	891	34	26	3.0	Thinning		0	0	0	0	0	0
891035	891	35	24	3.0	Shelterwood Seed	Overstory Removal	24	24	0	0	2	2
891037	891	37	31	3.0	Thinning		0	0	0	0	0	0
891047	891	47	15	3.0	Release		0	14	0	0	14	2
891050	891	50	18	3.0	Salvage		0	0	0	0	0	0
891054	891	54	14	3.0	Salvage		0	0	0	0	0	0
891055	891	55	12	3.0	Release		0	9	0	0	9	9
891058	891	58	3	3.0	Release		0	0	0	0	2	2
891063	891	63	9	3.0	Salvage		0	0	0	0	0	0
891064	891	64	4	3.0	Salvage		0	0	0	0	0	0
891065	891	65	16	3.0	Salvage		0	0	0	0	0	0
891067	891	67	4	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	4	0	0	4	0	0
891069	891	69	23	3.0	Salvage		0	0	0	0	0	0
891070	891	70	7	3.0	Shelterwood Seed	Overstory Removal	7	0	0	0	1	1
891071	891	71	7	3.0	Thinning		0	0	0	0	0	0
891072	891	72	5	3.0	Thinning		0	0	0	0	0	0
892026	892	26	12	3.0	Two-Age	Two-Age Removal	0	0	0	0	0	0
892029	892	29	8	3.0	Shelterwood Seed	Overstory Removal	8	0	0	0	2	2
892031	892	31	20	3.0	Release		0	0	0	0	0	20
892034	892	34	10	3.0	Thinning		0	0	0	0	0	0
892036	892	36	5	3.0	Salvage		0	0	0	0	0	0
892037	892	37	8	3.0	Thinning		0	0	0	0	0	0
892038	892	38	7	3.0	Shelterwood Seed	Overstory Removal	7	7	0	7	2	2
892040	892	40	4	3.0	Thinning		0	0	0	0	0	0
892043	892	43	11	3.0	Salvage		0	0	0	0	0	0
892045	892	45	20	3.0	Salvage		0	0	0	0	0	0
892047	892	47	9	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	9	0	0	0	2	2
892052	892	52	19	3.0	Salvage		0	0	0	0	0	0
892054	892	54	15	3.0	Thinning		0	0	0	0	0	0

							Acres of Other Proposed Treatments					
Map Label	Compartment	Stand	Acres	MA	1st Entry	2nd Entry	Herbicide	Site Prep	Fertilize	Fence	Tree Shelters	Planting
892055	892	55	4	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	4	0	0	4	4	4
892060	892	60	14	3.0	Thinning		0	0	0	0	0	0
892062	892	62	3	3.0		Overstory Removal	6	6	0	6	0	0
892064	892	64	11	3.0	Salvage		0	0	0	0	0	0
893013	893	13	10	3.0	Release		0	11	0	0	3	3
893054	893	54	6	3.0	Salvage Shelterwood Seed	Salvage Overstory Removal	7	7	7	7	0	0
904005	904	5	24	3.0	Thinning		0	0	0	0	0	0
904006	904	6	15	3.0	Salvage Thinning		0	0	0	0	0	0
904014	904	14	8	3.0	Shelterwood Seed	Overstory Removal	15	15	0	15	3	3

Map Label	Compartment	Stand	Objective	A1: Re-establish streamside vegetation	A2: Place coarse woody debris	A3: Rehab erosion	A4: Plant shrubs/conifer	A5: Plant Aquatic Vegetation	B1: Plant Native Shrubs	B2: Plant Aspen	B3: Release/ Prune/ Maintain/ Replace Apple Trees	B4: Re-establish/Plant Hardwood Diversity	B5: Prescribe Burn	B6: Re-establish/Plant Conifer (White Pine/Red Spruce)	C1: Regenerate Native Herbaceous Grasses	C2: Release Aspen	C3: Create snags	C4: Place Nest Structures	D1: Create coarse woody debris	D2: Provide Access/ Improve Hunter Parking	D3: Decommission Road	D4: Improve Signing	Replace Impoundment Water Control Structure
672015	672	15	B5								25												
673011	673	11	A1	2																			
673012	673	12	B6										10										
673013	673	13	A1	4																			
673014	673	14	B6										17										
673015	673	15	A1,A4	10		10																	
673065	673	65	B6										11										
680004	680	4	B6										14										
680005	680	5	C4														5						
680011	680	11	B6										21										
681002	681	2	B1,B3					1		3.5													
681011	681	11	A2	1																			
681030	681	30	B1,B3				1			3.5													
681037	681	37	B7											3.5									
681038	681	38	B7											3.5									
681039	681	39	B7											4									
681044	681	44	B7											2									
681051	681	51	A1	4																			
682001	682	1	B6										16										
682002	682	2	B6										8										
682003	682	3	B6										4										
682004	682	4	B6										18										
682005	682	5	B6										46										
682008	682	8	B6										13										
682009	682	9	B6,C3										11			11							
682010	682	10	B6										16										
682011	682	11	C5																14				
682012	682	12	C3,C5													31			31				
682013	682	13	C3,C5													41			41				
682016	682	16	B6									6											
682022	682	22	C3													31							
682034	682	34	B1				2																
682035	682	35	B6										3										
682036	682	36	B6										9										
682037	682	37	B6										24										
682038	682	38	B6										1										
682039	682	39	B6										23										
682040	682	40	B6										10										
682041	682	41	B6										14										
682042	682	42	B6										22										
683010	683	10	B6										29										
683038	683	38	C3													41							
683041	683	41	A2	0.25																			
683045	683	45	B6										29										
683063	683	63	C3													30							
684013	684	13	B1					52															
684014	684	14	B1					26															
684015	684	15	B1					38															
684016	684	16	B1					26															
693001	693	1	C4														1						
693025	693	25	C3													46							
693026	693	26	C3				0									115							
693040	693	40	B7											3									
695024	695	24	C5																102				
695028	695	28	C3													10							
695046	695	46	C3,C5													31			31				
695051	695	51	B1					2															
695052	695	52	B1				1																
695057	695	57	B7											5									
696003	696	3	A2	0.66																			
696006	696	6	B7											4.6									
696021	696	21	B7											3.6									
696031	696	31	B1				1.5																
696037	696	37	A2	0.66																			

Map Label	Compartment	Stand	Objective	A1: Re-establish streamside vegetation	A2: Place coarse woody debris	A3: Rehab erosion	A4: Plant shrubs/conifer	A5: Plant/Control Aquatic Vegetation	B1: Plant Native Shrubs	B2: Plant Aspen	B3: Release/ Prune/ Maintain/ Replace Apple Trees	B4: Re-establish Plant Hardwood Diversity	B5: Prescribe Bum	B6: Re-establish Plant Conifer (White Pine/Red Spruce)	B7: Re-establish Native Herbaceous Vegetation/Openings/Warm Season Grasses	C1: Regenerate Aspen	C2: Release Suppressed Aspen	C3: Create snags	C4: Place Nest Structures	C5: Create coarse woody debris	D1: Provide Access/ Improve Hunter Parking	D2: Decommission Road	D3: Improve Signing	D4: Replace Impoundment Water Control Structure
696039	696	39	B1						6															
696051	696	51	B1,B4,B6,B7						4.6		4.6		4.6	4.6										
696053	696	53	A2	0.66																				
697005	697	5	B6										34											
697009	697	9	B1						0.5															
697019	697	19	B6										30											
697029	697	29	B6										20											
697048	697	48	B7											2										
697049	697	49	B7											5										
697052	697	52	A1	4																				
697053	697	53	A2		0.33																			
697054	697	54	A2		0.33																			
697056	697	56	A4			1																		
697063	697	63	A1	0.5																				
697064	697	64	A2		0.33																			
698008	698	8	A2		0.25																			
698026	698	26	B7											2										
698044	698	44	B7											1										
698047	698	47	B7											2										
698055	698	55	B1						1															
698059	698	59	B7											1										
698060	698	60	B7											2										
699034	699	34	B7											1										
699046	699	46	A2		0.25																			
699047	699	47	A2		0.25																			
700066	700	66	B1						15															
700067	700	67	B1						3.6															
700084	700	84	A1,A4	1		5																		
700086	700	86	A1	5																				
700088	700	88	A1	5																				
700094	700	94	A1,C4	5														5						
701010	701	10	A1,C4	15														15						
701015	701	15	A1,A4	1		5																		
701018	701	18	C1											2										
701021	701	21	A2		0.6																			
701022	701	22	A2		0.6																			
701024	701	24	B1						26															
701026	701	26	B1						7															
701027	701	27	B1						36.5															
701028	701	28	B1						23															
701031	701	31	B1,B6						14.5				14.5											
701036	701	36	B1,B6						36				36											
701040	701	40	B1						19															
701042	701	42	B1						1															
701048	701	48	A1,A4	1		5																		
701049	701	49	A1,A2,A4	1	0.6	5																		
701052	701	52	A1,A2,A4	1	0.6	1																		
701053	701	53	A2		0.6																			
701064	701	64	C4															20						
701069	701	69	C1												1									
702010	702	10	B7												3									
702023	702	23	C3																					
702029	702	29	B1						55								22							
702081	702	81	B1,C5						2.7										2.7					
702082	702	82	B1,C5						5.6										5.6					
703042	703	42	C3														20							
703043	703	43	B7																					
707003	707	3	B2					1.5																
707008	707	8	B1,B3,B7						1		1				1									
707009	707	9	B1,B3						1		1													
707010	707	10	B3																					
707013	707	13	B1,B3						1		1													
707030	707	30	A1	2																				
707036	707	36	B6										5											
708001	708	1	B1,B2,B6						1	1.5			2											

Map Label	Compartment	Stand	Objective	A1: Re-establish streamside vegetation	A2: Place coarse woody debris	A3: Rehab erosion	A4: Plant shrubs/conifer	A5: Plant/control Aquatic Vegetation	B1: Plant Native Shrub	B2: Plant Aspen	B3: Release/ Prune/ Maintain/ Replace Apple Trees	B4: Re-establish Plant Hardwood Diversity	B5: Prescribe Bum	B6: Re-establish Plant Conifer (White Pine/Red Spruce)	C1: Regenerate Native Herbaceous Grasses	C2: Release Aspen	C3: Create snags	C4: Place Nest Structures	C5: Create coarse woody debris	D1: Provide Access/ Improve Hunter Parking	D2: Decommission Road	D3: Improve Signing	D4: Replace Impoundment Water Control Structure
708005	708	5	A1,B6	2									3										
708006	708	6	C4													1							
708011	708	11	B1					0.2															
708012	708	12	B2						1.5														
708015	708	15	B3							3													
708018	708	18	B2						1.5														
708021	708	21	B6									15											
708028	708	28	B2					1.5															
708030	708	30	B1,B7				0.5							0.5									
708031	708	31	B7,C4											3.75		10							
708032	708	32	B1				0.2																
708035	708	35	B7											0.5									
708036	708	36	B7											3.75									
709004	709	4	B7											1									
709008	709	8	B7											2									
709009	709	9	B7											1									
709018	709	18	B7											2									
709023	709	23	B7											1									
709025	709	25	B7											2									
709029	709	29	B7											1									
710052	710	52	B1				1																
710056	710	56	B7											0.3									
711017	711	17	C3													100							
711037	711	37	B3						1														
712001	712	1	C3													14							
712021	712	21	C3													50							
712022	712	22	C3													23							
713006	713	6	B1				1																
713024	713	24	B7											3									
713040	713	40	B7											1.4									
714005	714	5	B7											4									
846059	846	59	B3						1														
847011	847	11	B7											4									
847016	847	16	B3						1														
847028	847	28	B3						1														
847034	847	34	B7											6									
847035	847	35	B3						2														
849001	849	1	B3						2														
849023	849	23	B3						5														
850013	850	13	B3						2														
850016	850	16	B3						1														
850017	850	17	B3						1														
850018	850	18	B3						5														
850023	850	23	B7,C4											2		5							
850024	850	24	B3						1														
850025	850	25	B6									5											
850026	850	26	B3						5														
850027	850	27	B3						2														
850028	850	28	B3						1														
850029	850	29	B3						1														
850037	850	37	B3						2														
850041	850	41	B3						1														
850045	850	45	B3						1														
850046	850	46	B3						1														
850049	850	49	B7											1									
850050	850	50	B3						1														
850056	850	56	B3						1														
850059	850	59	B3						1														
850061	850	61	B3						1														
850077	850	77	B3						1														
858024	858	24	B3						1														
859007	859	7	B3						4														
859010	859	10	B3						1														
859030	859	30	B3						8														
859031	859	31	B3						2														

Map Label	Compartment	Stand	Objective	A1: Re-establish streamside vegetation	A2: Place coarse woody debris	A3: Rehab erosion	A4: Plant shrubs/conifer	A5: Plant/Control Aquatic Vegetation	B1: Plant Native Shrubs	B2: Plant Aspen	B3: Release/ Prune/ Maintain/ Replace Apple Trees	B4: Re-establish Plant Hardwood Diversity	B5: Prescribe Bum	B6: Re-establish Plant Conifer (White Pine/Red Spruce)	C1: Re-establish Native Herbaceous Grasses	C2: Regenerate Aspen	C3: Release Suppressed Aspen	C4: Create snags	C5: Place Nest Structures	D1: Create coarse woody debris	D2: Provide Access/ Improve Hunter Parking	D3: Decommission Road	D4: Improve Signing	Replace Impoundment Water Control Structure
859032	859	32	B3								1													
860003	860	3	B3								1													
860011	860	11	B3								2													
860013	860	13	B3								3													
860030	860	30	B3								1													
860032	860	32	B3								1													
860037	860	37	B7											1										
861011	861	11	B3								1													
861013	861	13	B7											2										
861027	861	27	B7											1										
862017	862	17	B7											1										
862032	862	32	B3								2													
863010	863	10	B7											0.6										
863012	863	12	B7											2.5										
863017	863	17	B3								3													
863022	863	22	B3								1													
863026	863	26	B3								2													
863032	863	32	B7											1.25										
863050	863	50	A1	1																				
863054	863	54	B3								3													
863055	863	55	B3								2													
863086	863	86	B7											0.6										
863087	863	87	B7											1.3										
875001	875	1	B7											2										
875012	875	12	B7											1										
875013	875	13	B3,B7								2			1										
875014	875	14	C3														11							
875015	875	15	C3														30							
875019	875	19	B7											1										
875020	875	20	B3								2													
875021	875	21	B7											1										
875025	875	25	B3								3													
875035	875	35	C3														21							
875036	875	36	B7											1										
875038	875	38	B7											2										
876007	876	7	B7											1										
876019	876	19	B7											1										
876025	876	25	B3								1													
876041	876	41	B3								1													
877008	877	8	B3								1													
877020	877	20	B7											1										
877039	877	39	B3								2													
877053	877	53	B7											1										
877064	877	64	B6										12											
877067	877	67	B6										6											
877068	877	68	B6										19											
877069	877	69	B7											1										
878009	878	9	B3								1													
878013	878	13	A1	2																				
878020	878	20	B3								1													
879006	879	6	B3								1													
890005	890	5	C1,C3												1		3							
890006	890	6	B1					0.5																
890007	890	7	C1												2									
890008	890	8	B1					1																
890009	890	9	B1					2																
890010	890	10	C1												2									
890011	890	11	C1												4									
890012	890	12	B1					1																
891001	891	1	A3,B1,B2,B3,B6,C4		1				23	2	16	17		3				8						
891002	891	2	B1,B3,B6						2		2			1										
891003	891	3	B6										1											
891012	891	12	B1					0.3																

Map Label	Compartment	Stand	Objective	A1: Re-establish streamside vegetation	A2: Place coarse woody debris	A3: Rehab erosion	A4: Plant shrubs/conifer	A5: Plant/Control Aquatic Vegetation	B1: Plant Native Habitat Structure	B2: Plant Aspen	B3: Release/ Prune/ Maintain/ Replace Apple Trees	B4: Re-establish/Plant Hardwood Diversity	B5: Prescribe Burn	B6: Re-establish/Plant Conifer (White Pine/Red Spruce)	C1: Regenerate Native Herbaceous Grasses	C2: Release Suppressed Aspen	C3: Create snags	C4: Place Nest Structures	D1: Provide coarse woody debris	D2: Decommission/ Improve Hunter Parking	D3: Improve Road	D4: Replace Impoundment Water Control Structure
891013	891	13	A1,A5,B1,C4,D4	4			4	2								1						1
891014	891	14	A3		1			1														
891018	891	18	B1,B6,D2					4		2			1						0.341			
891019	891	19	B1,B3					0.7														
891025	891	25	B1																			
891027	891	27	D1,D3																2-3		1	
891029	891	29	B1,B7					1						1								
891033	891	33	B1,B6					0.3														
891039	891	39	B1,B3,B6					2.4		2			2									
891042	891	42	B1,B3					2		2												
891043	891	43	B1,B3,B4,B6,B7,C4					2		2	2		1	2			2					
891047	891	47	B6										2									
891052	891	52	A5,B3,B7,C4				2			1				3			2					
891054	891	54	B1,B6,D2					1					1						0.341			
891055	891	55	B6										2									
891057	891	57	A3		1																	
891058	891	58	B6										1									
891061	891	61	B1					1														
891062	891	62	B1					1														
892001	892	1	B7												1							
892002	892	2	B6										10									
892003	892	3	B6										7									
892004	892	4	B3							3												
892007	892	7	C1,C3												1		5					
892008	892	8	B6,C3										1				10					
892011	892	11	B1					1														
892016	892	16	B1,B4					3			3											
892018	892	18	B1					3														
892019	892	19	C1												1							
892022	892	22	C1												1							
892024	892	24	A3		1																	
892026	892	26	C2																			
892027	892	27	B6										1									
892028	892	28	B6										16									
892030	892	30	B6										9									
892031	892	31	B6										2									
892035	892	35	A3,B6,C2		2								4			2						
892039	892	39	B6										18									
892042	892	42	D2																	0.341		
892044	892	44	B1					2														
892050	892	50	B1,B2,B3,C4					2	2	3							2					
892056	892	56	B6										6									
892057	892	57	B7												1							
892058	892	58	C2													2						
892061	892	61	B6										1									
893001	893	1	B6,C3,D1										13				13		1			
893002	893	2	B7												1							
893003	893	3	A3,B6,B7		1								2		2							
893004	893	4	B2,B3,B4,B6,B7,C2,C4						2		3	6		2		6		2	14			
893005	893	5	B6										2									
893006	893	6	A5,A6,B1,B2,B6,C4,D4				4	26	4	1				4				1				1
893007	893	7	B1,B6,C2,D2					0.5					0.5			2				0.166		
893009	893	9	B6,D2										0.5							0.166		
893010	893	10	B7												1							
893011	893	11	B6,D2										1							0.166		
893013	893	13	B6										1									
893093	893	93	B2,B6,B7						2				1		2							
894035	894	35	B2						1											1		
894008	894	8	A5,A6,B1,B6,B7,C4,D1,D3,D4				2	10	2	0			2		6			1		1		1

Map Label	Compartment	Stand	Objective	A1: Re-establish streamside vegetation	A2: Place coarse woody debris	A3: Rehab erosion	A4: Plant shrubs/conifer	A5: Plant/Control Aquatic Vegetation	B1: Plant Native Shrubs	B2: Plant Aspen	B3: Release/ Prune/ Maintain/ Replace Apple Trees	B4: Re-establish Plant Hardwood Diversity	B5: Prescribe Burn	B6: Re-establish Plant Conifer (White Pine/Red Spruce)	C1: Re-establish Native Herbaceous Grasses	C2: Regenerate Aspen	C3: Release Suppressed Aspen	C4: Create snags	C5: Place Nest Structures	D1: Create coarse woody debris	D2: Provide Access/ Improve Hunter Parking	D3: Decommission Road	D4: Improve Signage	D5: Replace Impoundment Water Control Structure
894036	894	36	C1												1									
894042	894	42	B2							1														
904014	904	14	B1,B6,D2						3				3								0.25			
672030	672	30	C4														4							